

**SONY®**

---

Hi8 カムコーダー  
Hi8 CAMCORDER

# **EVW-300** **EVW-300P**

ズームレンズ  
ZOOM LENS

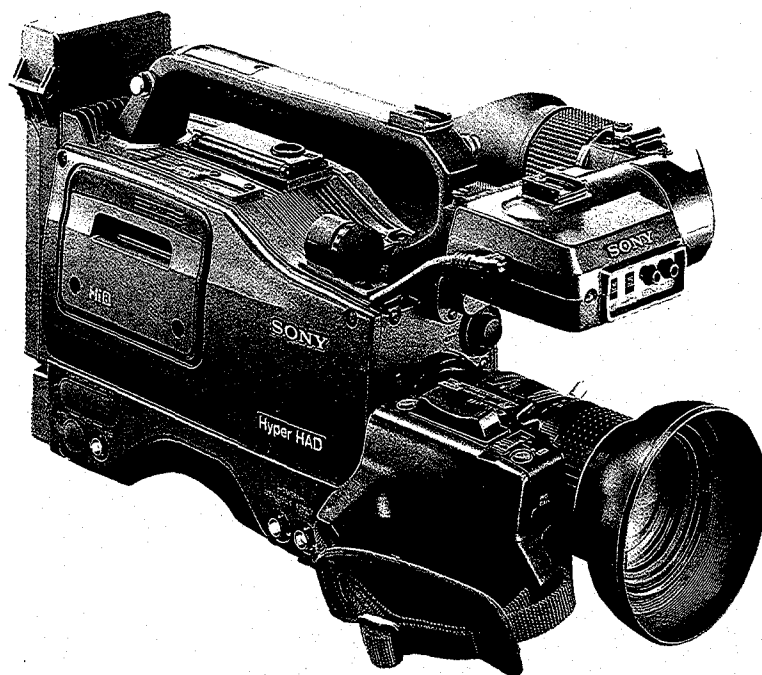
## **VCL-713BX**

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### **SERVICE MANUAL**

Vol. 2 (1st Edition/Revised 1)


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**Hi8**  
**Hyper HAD™**

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### SAFETY RELATED COMPONENT WARNING

Components identified by shading and  marked on the schematic diagrams and parts list are critical to safe operation. Replace these components with SONY parts whose part numbers appear as shown in this manual or in supplements published by SONY.

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



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













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#### VCL-713BX

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DXF-501のサービスマニュアルは、別冊で発行されていますので、そちらをご覧ください。

- ・サービスマニュアル名：DXF-501/501CE  
部品番号：9-977-201-01
- ・補修部品表：DXF-501  
部品番号：9-977-201-71

The service manual for DXF-501 and DXF-501CE has been issued as a separate manual.

Therefore, see the following manual when servicing.

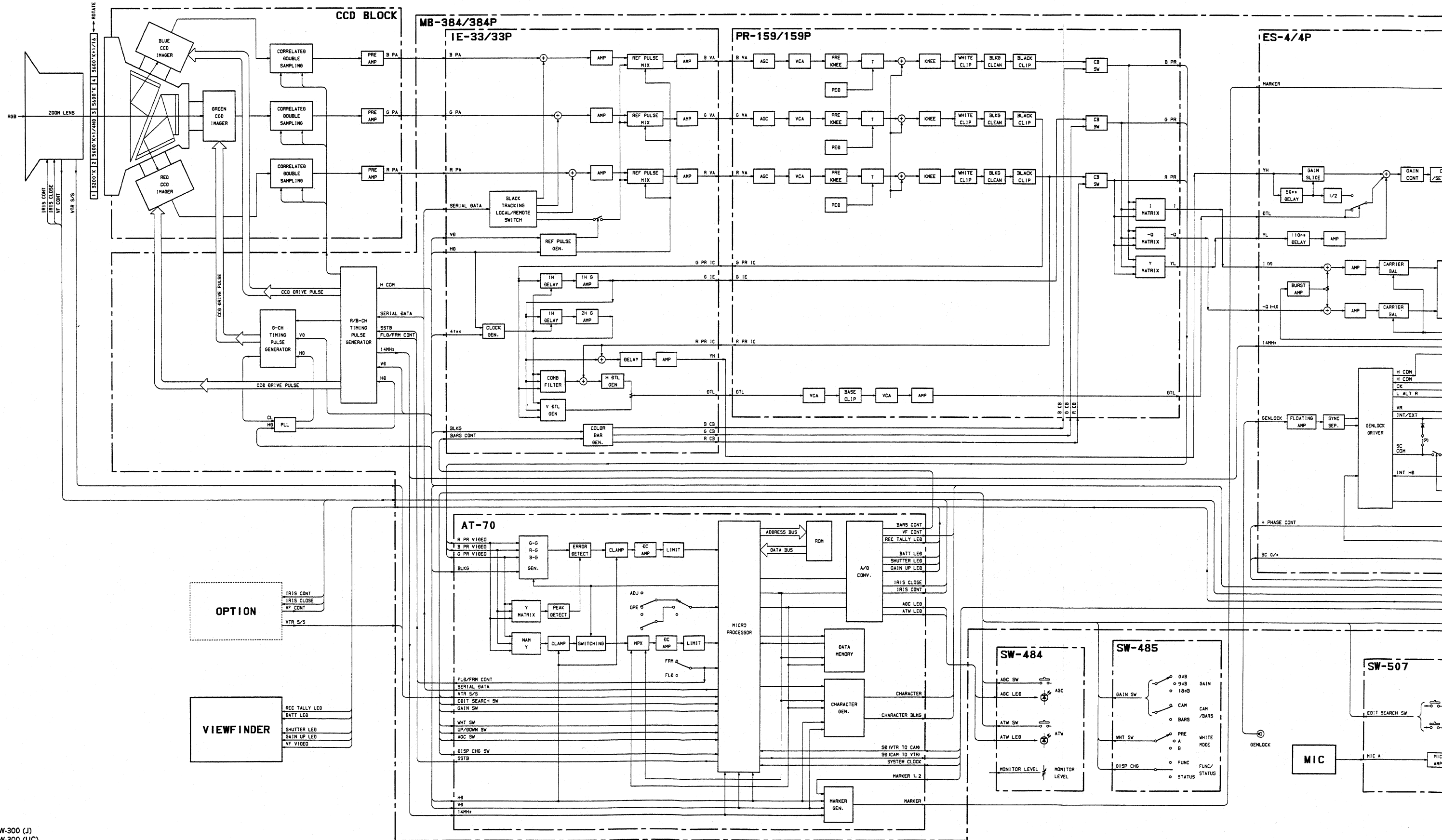
- ・Service manual：DXF-501/501CE  
Part number：9-977-201-01



# SECTION A BLOCK DIAGRAMS

OVERALL BLOCK OVERALL BLOCK

OVERALL BLOCK



EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

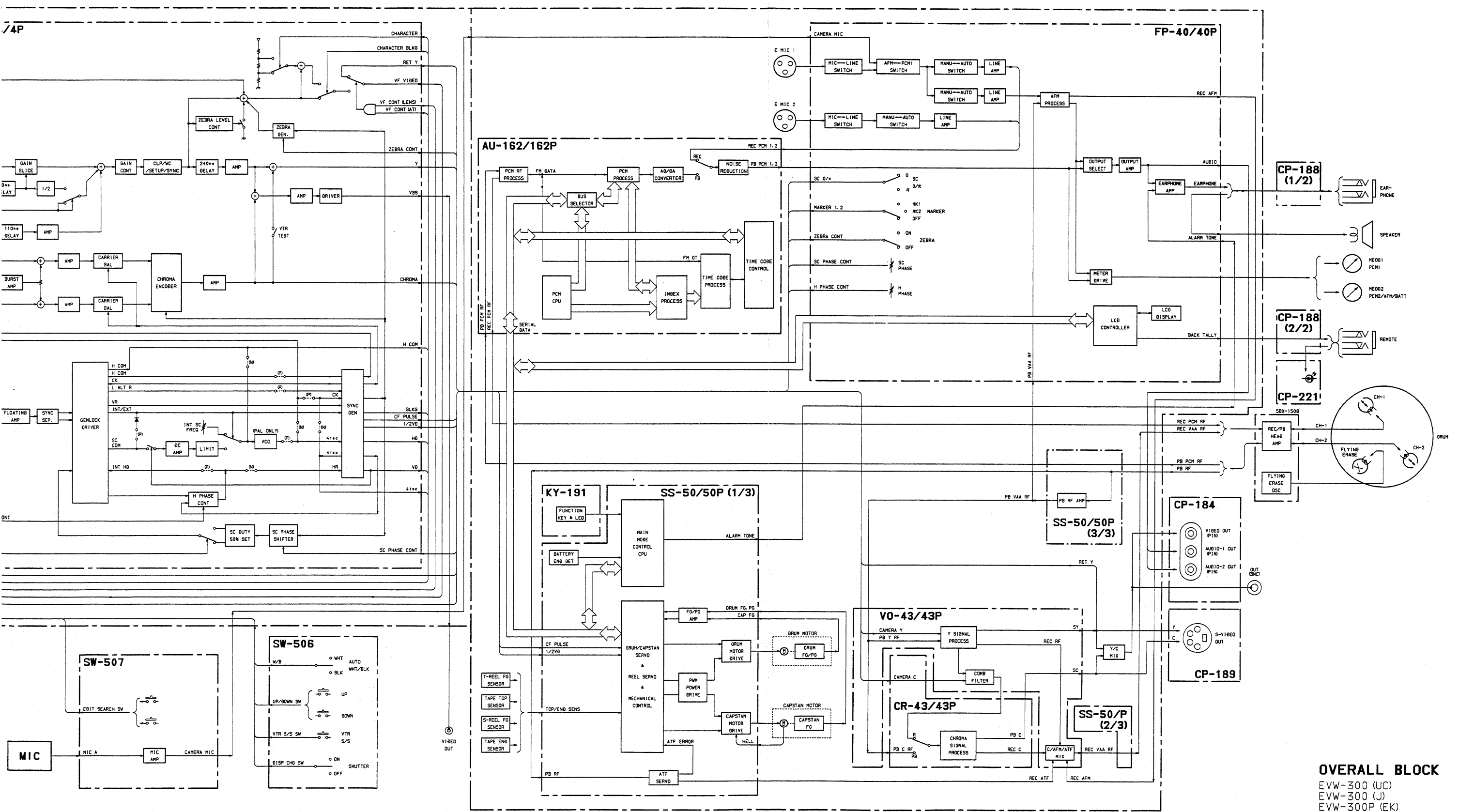
A-1

A-2

A | B | C | D | E | F | G | H |

# OVERALL BLOCK

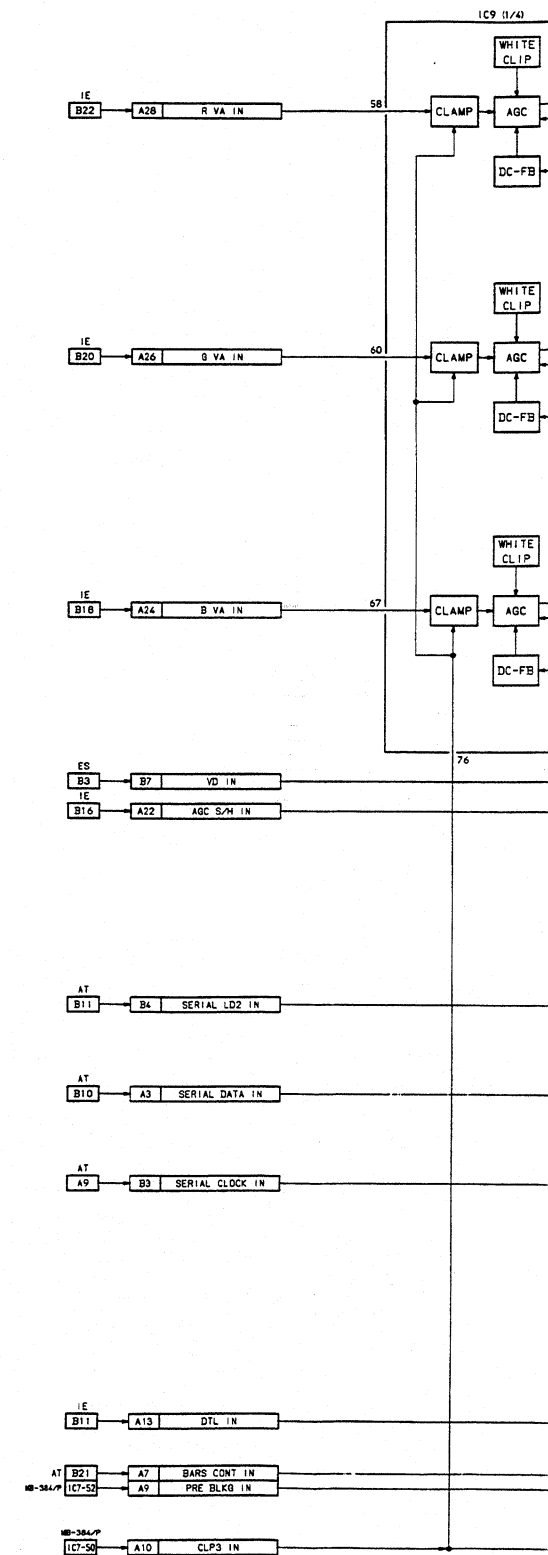
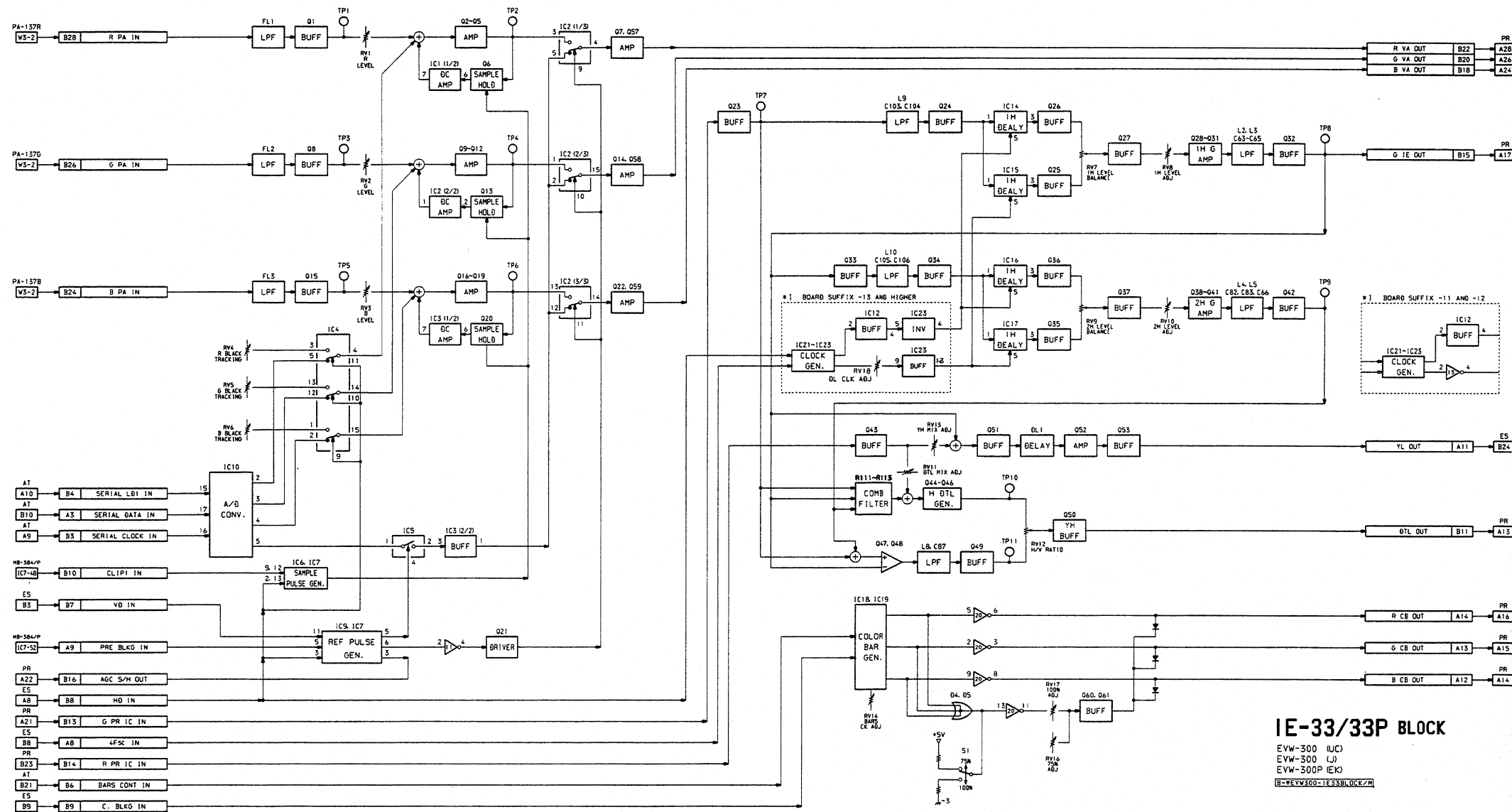
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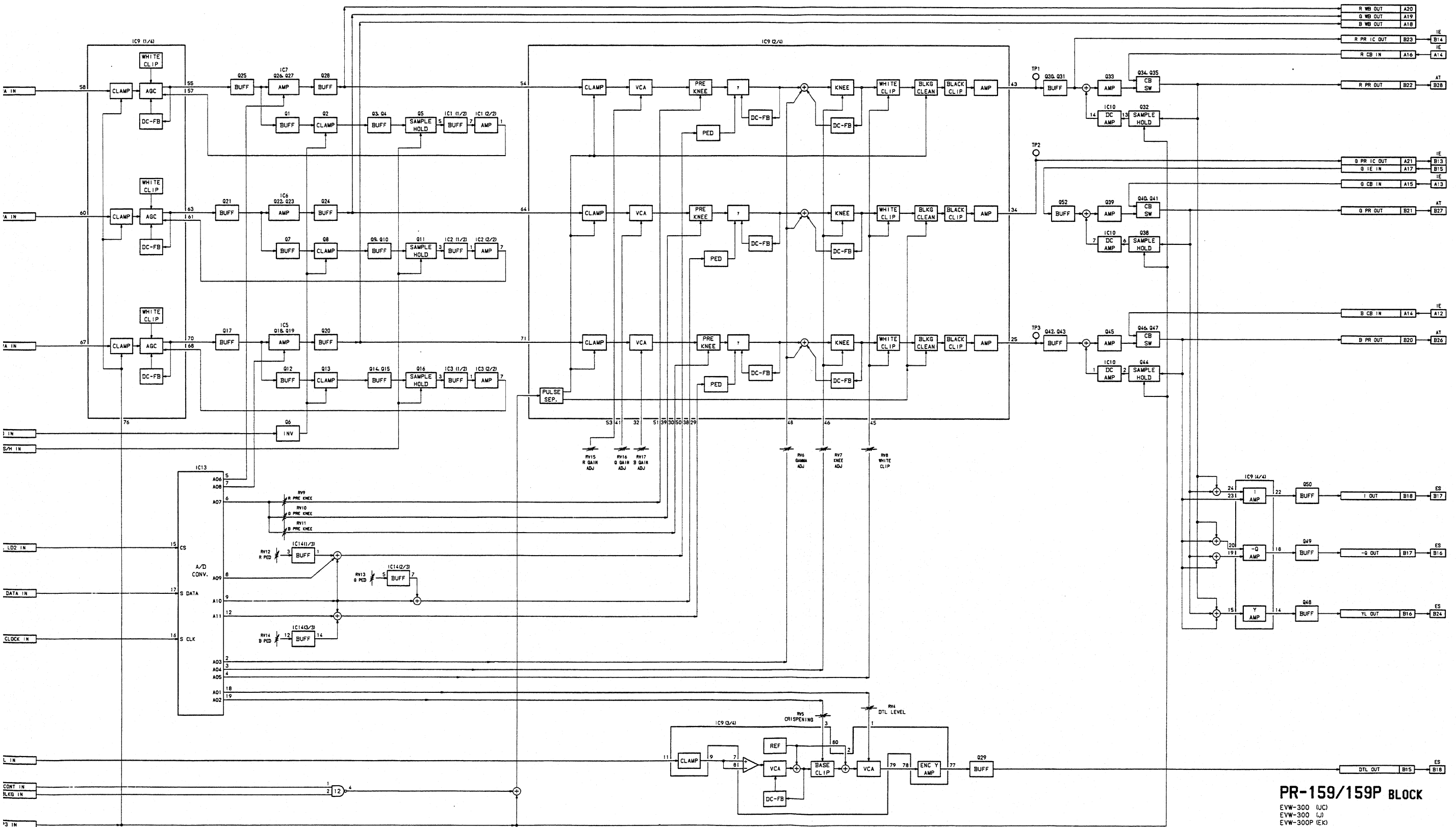


OVERALL BLOCK  
 EVW-300 (UC)  
 EVW-300 (J)  
 EVW-300P (EK)

**IE-33/33P, PR-159/159P BLOCK**

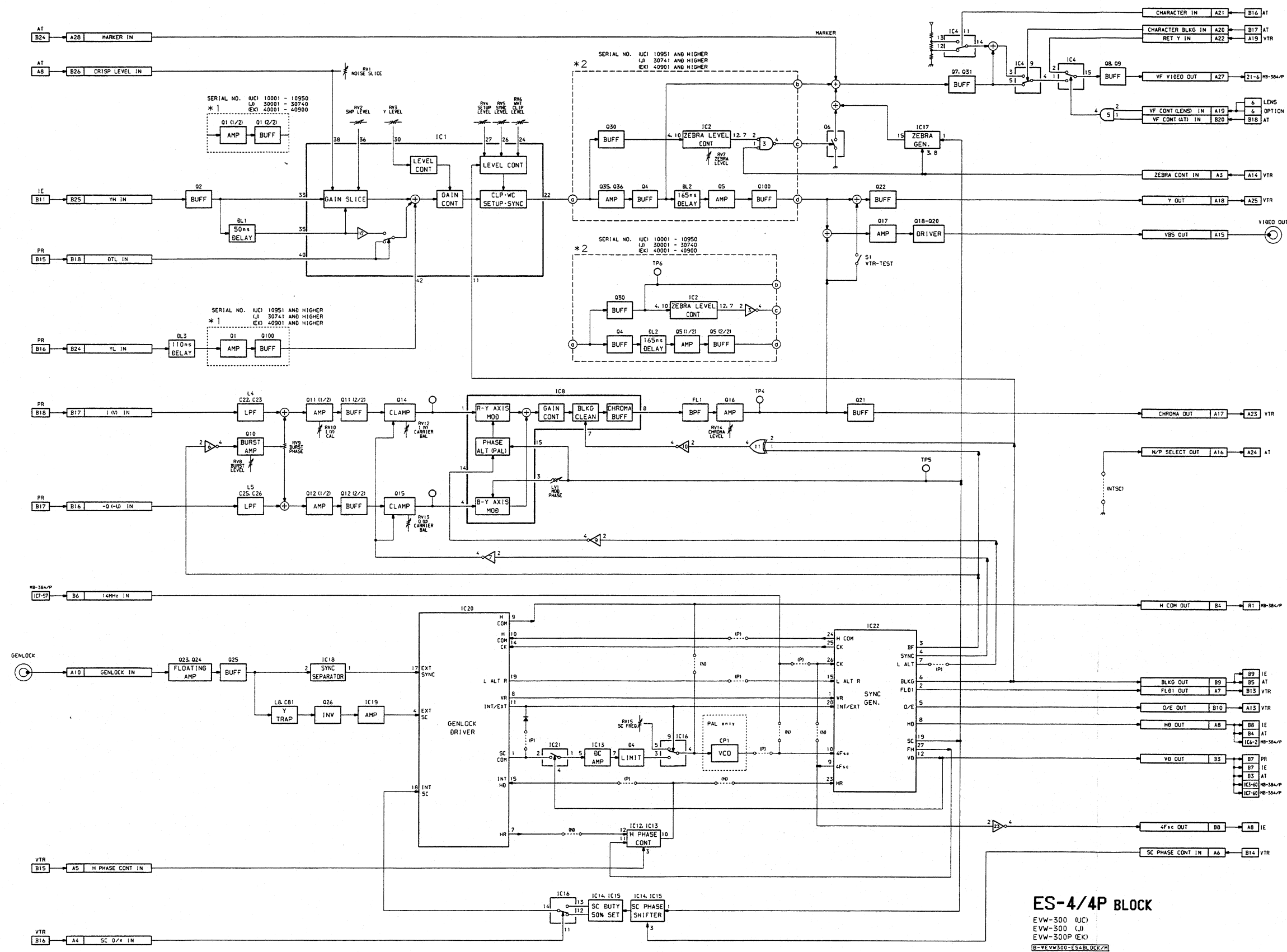
EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)  
**B-WEVW300-1E33BLOCK/M**





PR-159/159P BLOCK  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

**ES-4/4P BLOCK**



EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

A-9

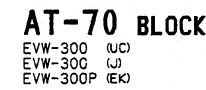
A-10

**ES-4/4P BLOCK**

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)  
**B-YEVW300-ES4BLOCK/H**

B-YE VW300-ES4BLOCK/M

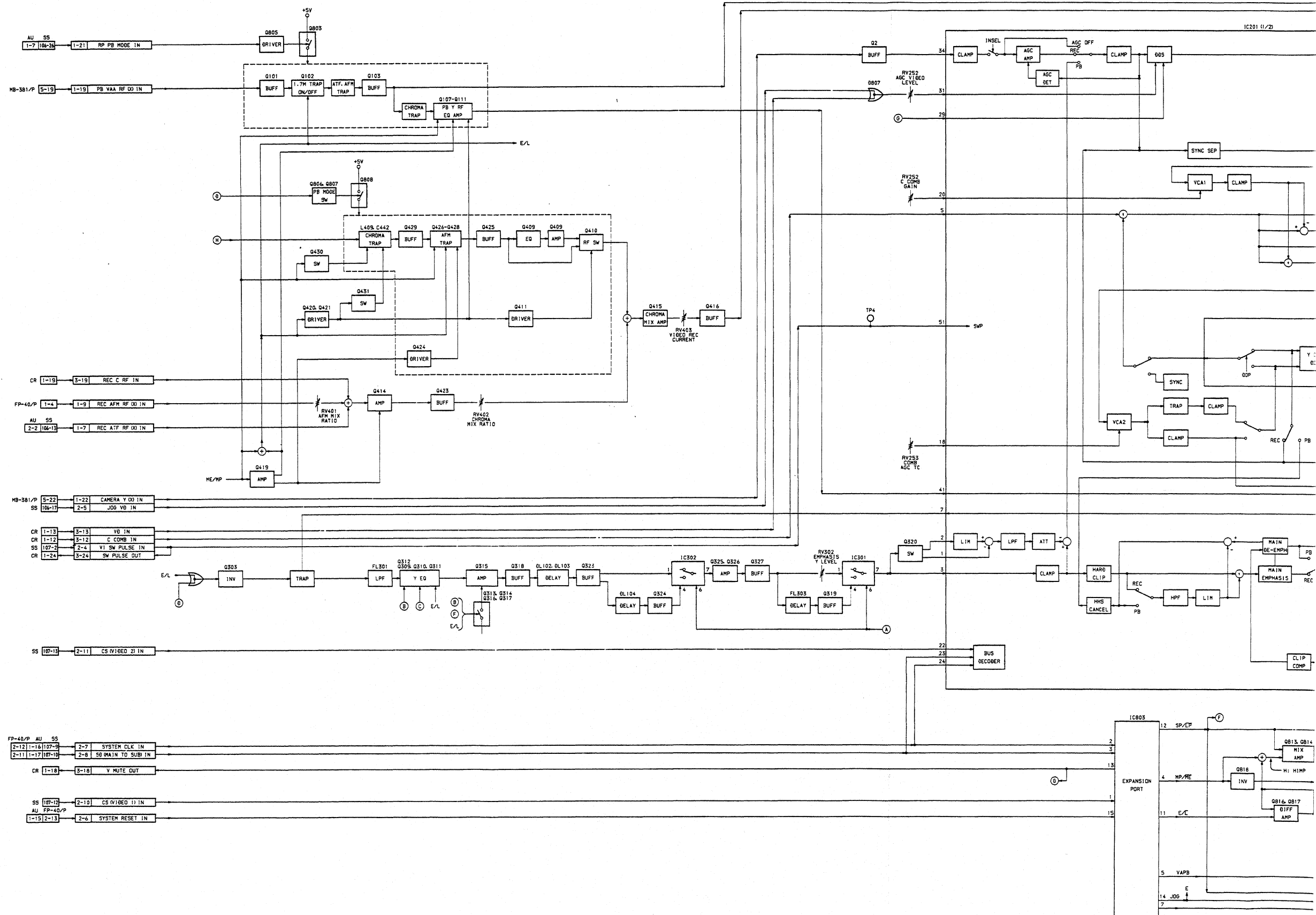
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EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



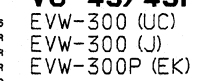
VO-43/43P BLOCK



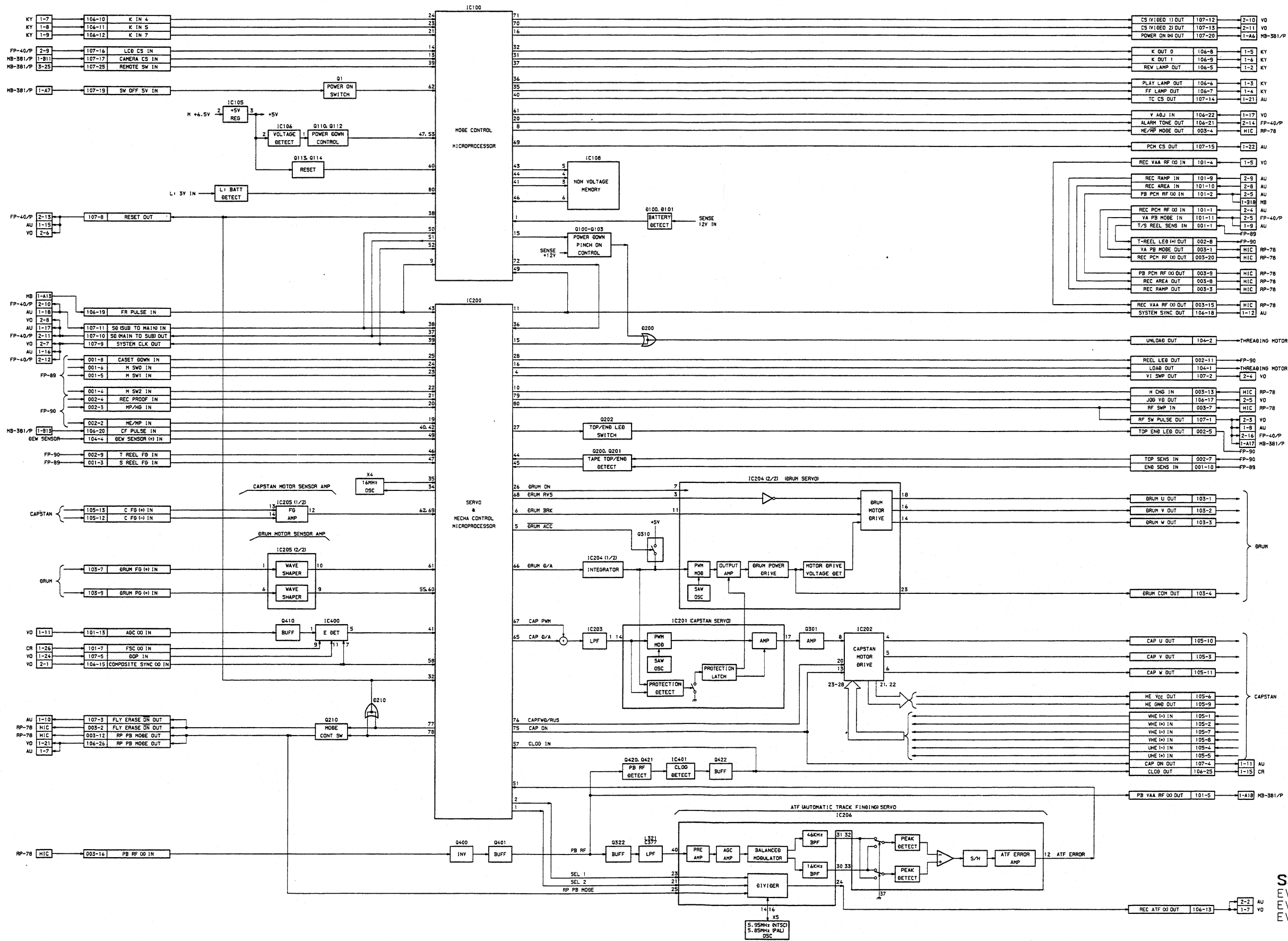
A-13

A-14

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

**VO-43/43P BLOCK**





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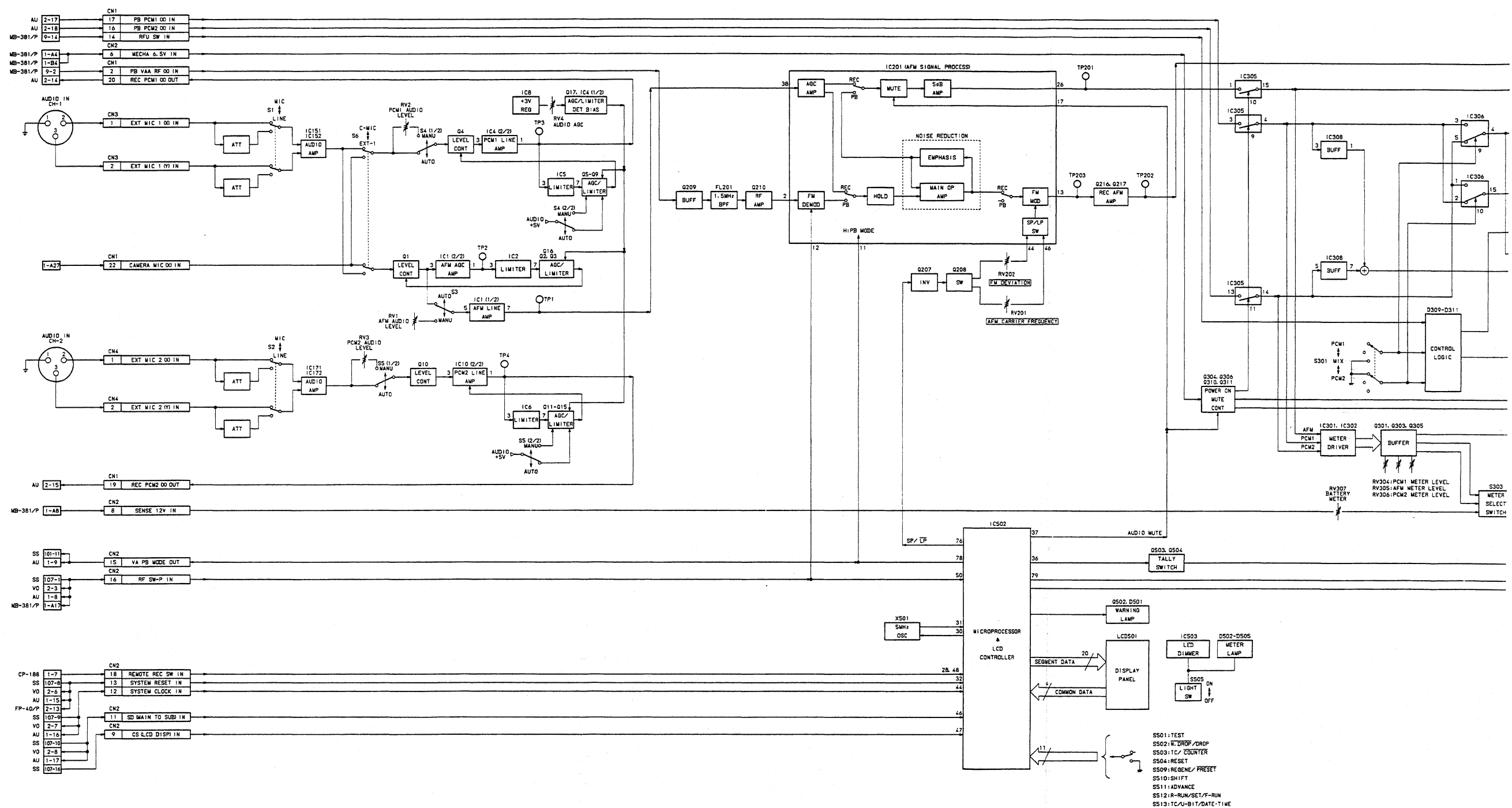
A-20

SS-50/50P BLOCK

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

## FP-40/40P BLOCK

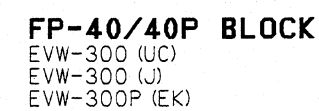


EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

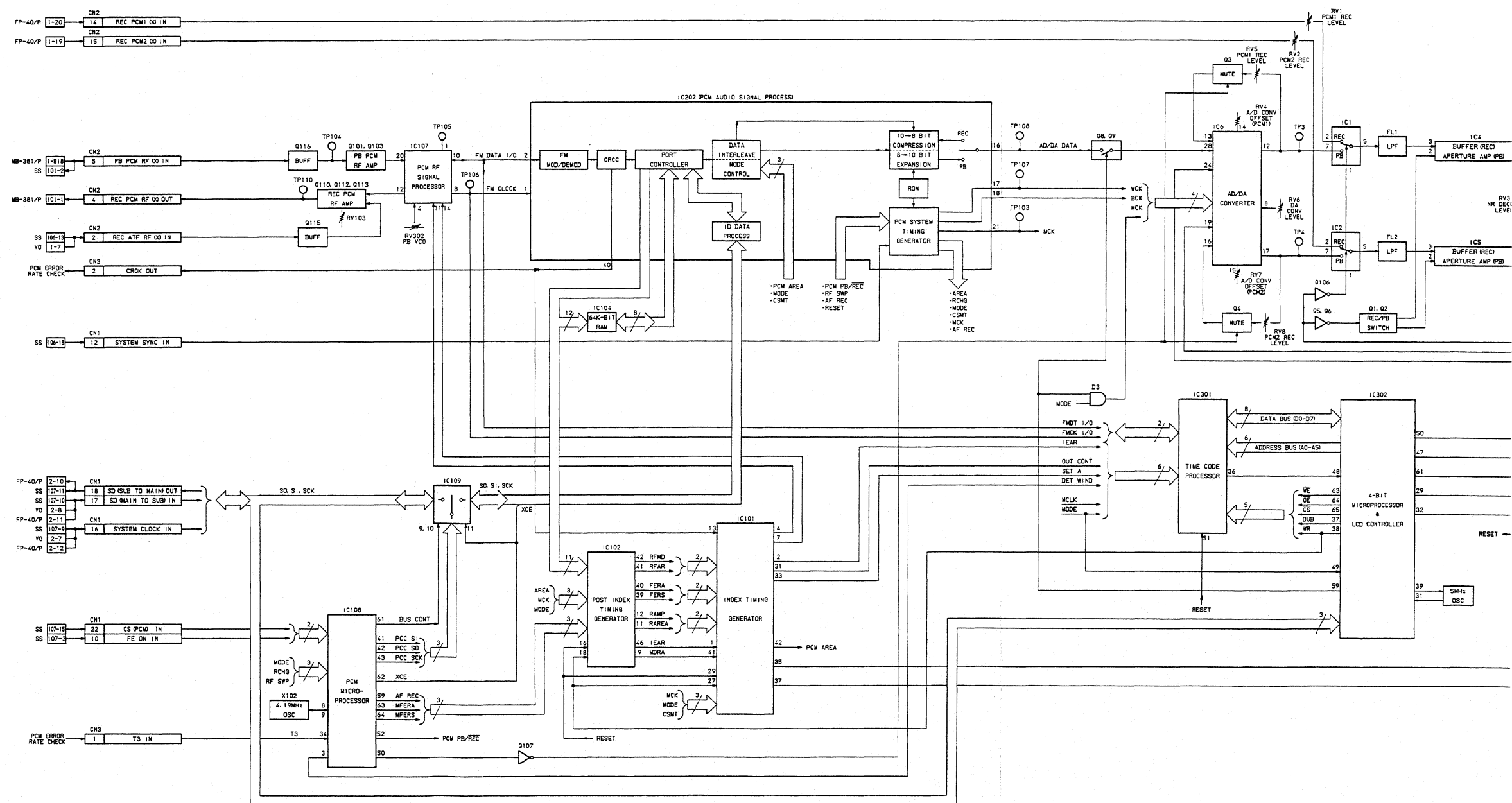
A-21

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417	418	41					



## AU-162/162P BLOCK







## SECTION B

### SEMICONDUCTOR PIN ASSIGNMENT

The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

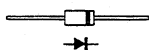
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1S1555 .....	B-2	DTC114EU .....	B-3	S-81230AG-RB .....	B-22
1S2837 .....	B-2	DTC144EU .....	B-3	S-81250HG-RD .....	B-22
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2SB1295 .....	B-3	FMW1 .....	B-3	TC40H027F .....	B-23
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CXD1217M .....	B-12	NJM2235M .....	B-21		
CXD1250M .....	B-13	NJM319M .....	B-21		
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CXD8154M .....	B-15	RC1496M .....	B-21		
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# DIODE

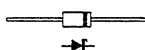
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TOP VIEW



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RD ? ? M

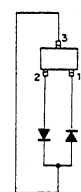


1S1555  
1S119



1S2837  
MA152WK

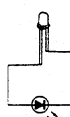
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TOP VIEW



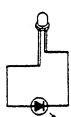
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HSM107S



1T33C

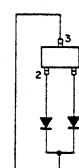


BR5505S ; RED



EBR3402S ; RED  
GL-3HY43 ; YELLOW

(SCALE 4/1)  
TOP VIEW



ERA81-004

TOP VIEW

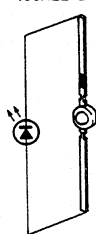


FC805

A2O → OC2

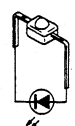
A1O → OC1

(SCALE 2/1)



GL-1HD11 ; RED

(SCALE 2/1)



GL-1HS112 ; ORANGE

(SCALE 6/1)  
TOP VIEW



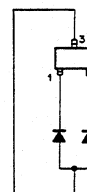
MA110

TOP VIEW



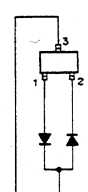
MA141A

(SCALE 4/1)  
TOP VIEW



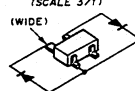
MA141WA  
MA141WK

(SCALE 4/1)  
TOP VIEW

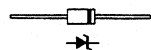


MA143

(SCALE 3/1)  
(WIDE)



ND411G

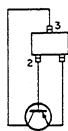


RD ? ? ESL ?



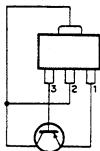
SB01-05CP

(SCALE 4/1)  
TOP VIEW

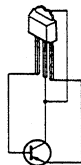


2SA1576  
2SB1295  
2SB624  
2SB815B6

(SCALE 4/1)  
TOP VIEW

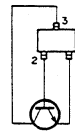


2SB1121  
2SB798



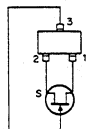
2SB1202FAS

(SCALE 4/1)  
TOP VIEW



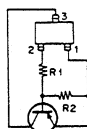
2SC4081  
2SC4177  
2SC4178  
2SC4213  
2SD1048  
2SD596

TOP VIEW (SCALE 4/1)



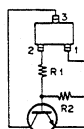
2SK209  
2SK852

TOP VIEW (SCALE 4/1)



DTA114EU (R1 = 10K, R2 = 10K)  
DTA143EU (R1 = 4.7K, R2 = 4.7K)  
DTA144EU (R1 = 47K, R2 = 47K)

TOP VIEW (SCALE 4/1)

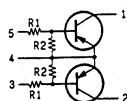


DTC114EU (R1 = 10K, R2 = 10K)  
DTC144EU (R1 = 47K, R2 = 47K)

(SCALE 6/1)  
TOP VIEW



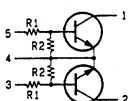
FMA2



(SCALE 6/1)  
TOP VIEW



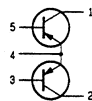
FMG2 (R1 = 47K, R2 = 47K)  
FMG5 (R1 = 10K, R2 = 47K)



(SCALE 6/1)  
TOP VIEW



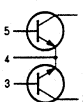
FMS1



(SCALE 6/1)  
TOP VIEW



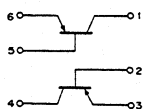
FMW1



TOP VIEW



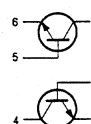
IMT1US



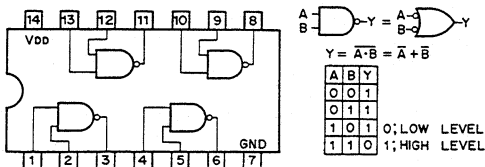
(SCALE 6/1)  
- TOP VIEW -



IMX1



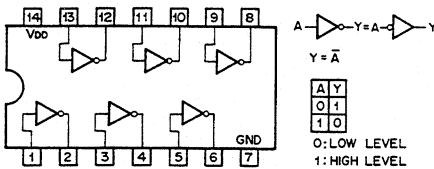
74AC00SJ (NS) FLAT PACKAGE  
C-MOS QUAD 2-INPUT NAND GATES  
- TOP VIEW -



NOTE:

TYPE	V <sub>DD</sub>
TC74AC00 TYPE	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

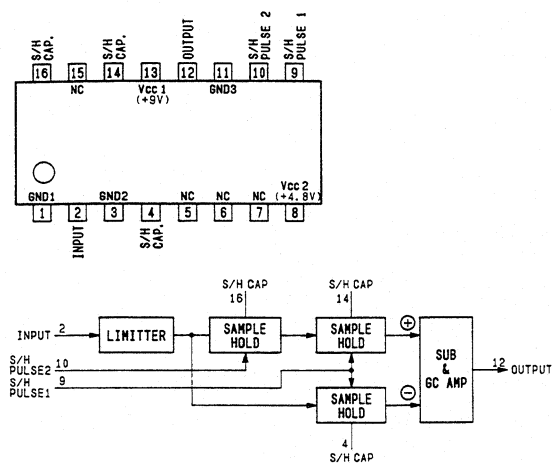
74AC04SJ (NS) FLAT PACKAGE  
C-MOS HEX INVERTERS  
- TOP VIEW -



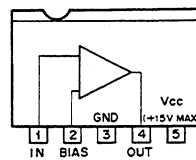
NOTE:

TYPE	V <sub>DD</sub>
74HCT04 TYPE	+5V
TC74AC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

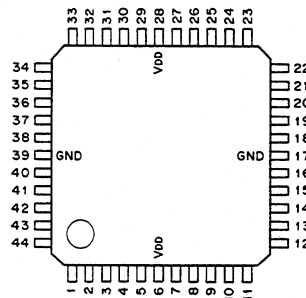
AN2011S (MATSUSHITA)  
CORRELATION DOUBLE SAMPLING PROCESSOR  
- TOP VIEW -



BA401 (ROHM)  
RF AMPLIFIER  
- SIDE VIEW -

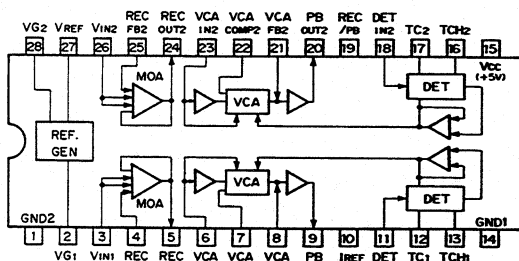


CF77309F (TI)  
C-MOS TIMING GENERATOR FOR 8mm VTR ADDRESS SYSTEM  
- TOP VIEW -

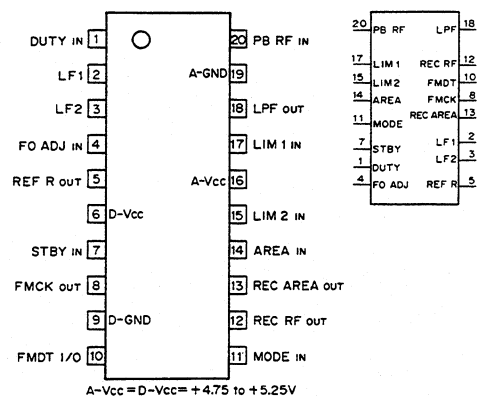
(V<sub>DD</sub> = +5V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	IEAR	12	I	CSMT	23	O	LCLK	34	I	RAMP
2	O	SIEAR	13	I	CRCMON1	24	O	SW POS	35	O	S RAMP
3	I	RFMDZ	14	I	FMCK	25	I	CAM/DECK	36	I	RAREA
4	O	S RFMD	15	I	P1/P2	26	I	MODE	37	O	S RARE
5	I	RFAR	16	I	AUTO	27	I	WRITE	38	I	DRSWP
6	-	V <sub>DD</sub>	17	-	GND	28	-	V <sub>DD</sub>	39	-	GND
7	O	S RFAR	18	I	MCLK1	29	I	RESET	40	O	S DRSWP
8	I	FERA	19	O	MCLK2	30	I	RFSWP	41	I	MDAR
9	O	S FERA	20	I	SREF	31	O	OUT CNT	42	O	S MDAR
10	I	FERS	21	O	PCO	32	O	SET 1	43	I	TEST 1
11	O	S FERS	22	I	NTSC/PAL	33	O	SET1010	44	I	TEST 2

CX20099 (SONY) FLAT PACKAGE  
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP  
- TOP VIEW -



CX20102 (SONY) FLAT PACKAGE  
PCM-RF SIGNAL PROCESSOR  
- TOP VIEW -



A - Vcc = D - Vcc = +4.75 to +5.25V

STBY	MODE	AREA	OPERATION
0	X	X	POWER SAVE
1	1	X	PB
1	0	1	REC
1	0	0	REC STANDBY

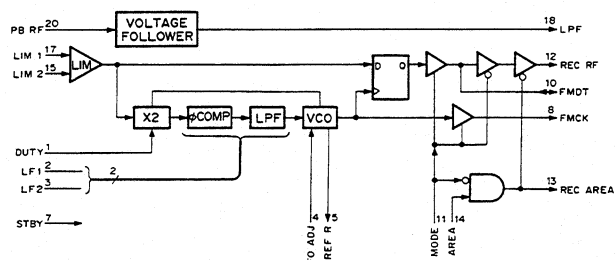
0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE

**INPUT**  
AREA : AREA INPUT (C MOS LEVEL)  
DUTY : SAMPLING PHASE FINE ADJUSTMENT  
FO ADJ : VCO FREE RUN FREQUENCY ADJUSTMENT  
LIM 1, 2 : LIMITER INPUT  
MODE : REC/PB SELECTOR (C MOS LEVEL)  
PB RF : VOLTAGE FOLLOWER INPUT  
STBY : POWER SAVE CONTROL INPUT  
L : STAND BY (C MOS LEVEL)

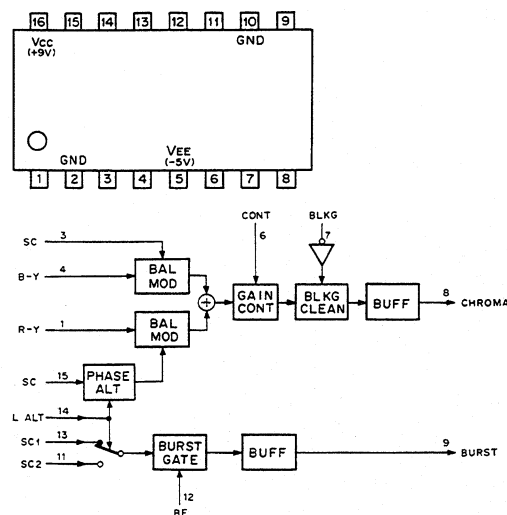
**OUTPUT**  
FMCK : CLOCK OUTPUT  
LPF : VOLTAGE FOLLOWER OUTPUT  
REC AREA : REC AREA OUTPUT (C MOS LEVEL)  
REC RF : REC MODE RF OUTPUT (C MOS LEVEL)  
REF R : RESISTOR EXTERNAL ATTACHED VCO

**INPUT/OUTPUT**  
FMDT : DATA INPUT/OUTPUT

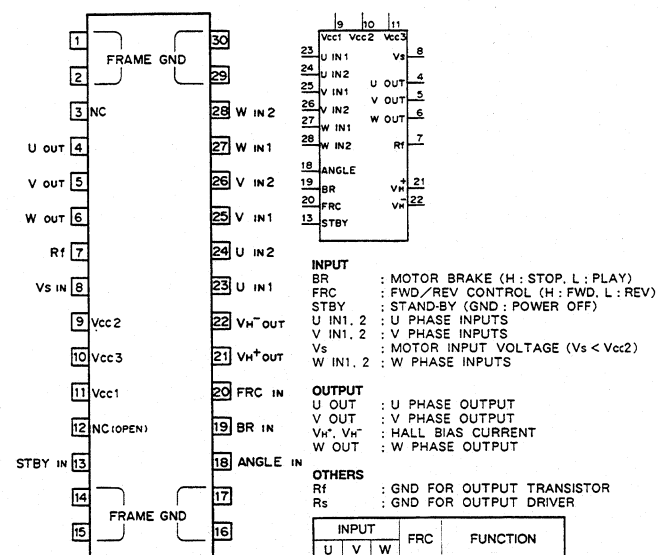
**OTHER**  
LF1, 2 : EXTERNAL LOOP FILTER TIME CONSTANT



CX22017 (SONY)  
VIDEO SIGNAL PROCESSOR  
- TOP VIEW -

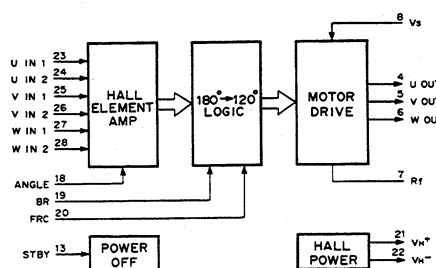


CXA1127M (SONY) FLAT PACKAGE  
CAPSTAN MOTOR DRIVER  
- TOP VIEW -



NOTE:

Vcc1	+4 to +7V	OPEN
Vcc2	+4 to +12V	+6 to +12V
Vcc3	short to Vcc1	short to Vcc2
Vs	Vs < Vcc2	Vs < Vcc2



**INPUT**  
BR : MOTOR BRAKE (H : STOP, L : PLAY)  
FRC : FWD/REV CONTROL (H : FWD, L : REV)  
STBY : STAND-BY (GND : POWER OFF)  
U IN1, 2 : U PHASE INPUTS  
V IN1, 2 : V PHASE INPUTS  
Vs : MOTOR INPUT VOLTAGE (Vs < Vcc2)  
W IN1, 2 : W PHASE INPUTS

**OUTPUT**  
U OUT : U PHASE OUTPUT  
V OUT : V PHASE OUTPUT  
Vh, Vh- : HALL BIAS CURRENT  
W OUT : W PHASE OUTPUT

**OTHERS**  
Rf : GND FOR OUTPUT TRANSISTOR  
Rs : GND FOR OUTPUT DRIVER

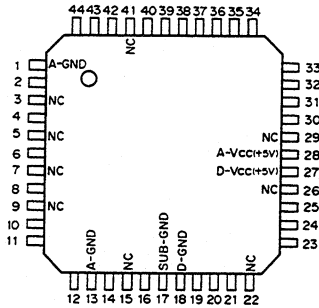
INPUT	FRC	FUNCTION
U	V	W
H	H	L
H	L	L
L	L	H
L	H	H
H	H	H
L	L	L
H	L	H
L	H	L
L	H	H
H	L	L
L	L	H
H	H	H
L	L	L

H : HIGH LEVEL  
L : LOW LEVEL  
1 : 2.0 to Vcc2  
0 : 0 to 0.3V

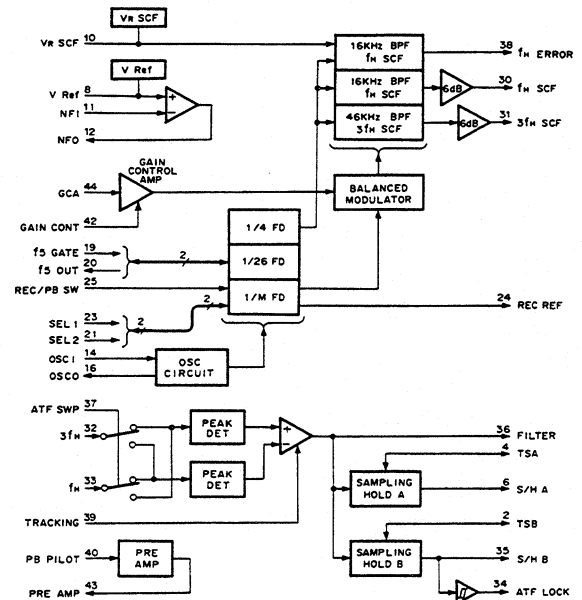
## CXA1204Q (SONY) FLAT PACKAGE

C-MOS ATF (Automatic Track Finding) FOR 8mm VTR

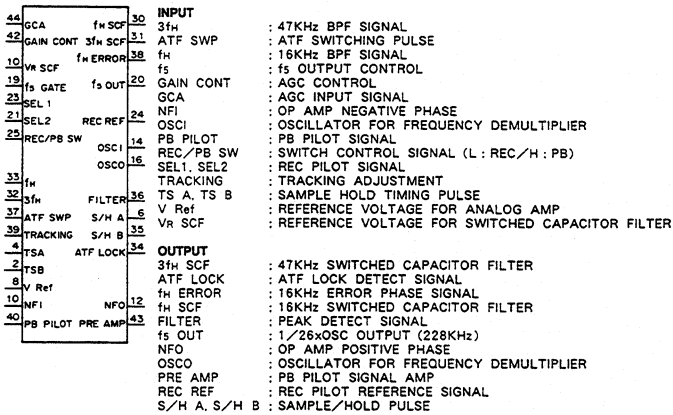
- TOP VIEW -


$$(A - V_{CC} = D - V_{CC} = +5V)$$

PIN	I/O	SYMBOL	PIN	I/O	SYMBOL	PIN	I/O	SYMBOL
1	—	A-GND	16	O	OSCO	31	O	3fr SCF
2	I	TSB	17	—	SUB-GND	32	I	3fr
3	—	NC	18	—	D-GND	33	I	fr
4	I	TSR	19	I	fs GATE	34	O	ATF LOCK
5	—	NC	20	O	fs OUT	35	O	S/B B
6	O	S/H A	21	I	SEL2	36	O	FILTER
7	—	NC	22	—	NC	37	I	ATF SWP
8	I	VREF	23	I	SEL1	38	O	fr ERROR
9	—	NC	24	O	REC REF	39	I	TRACKING
10	I	Vfr SCF	25	I	REC PR SW	40	I	PB PILOT
11	I	NFI	26	—	NC	41	—	NC
12	O	NFO	27	—	D-Vcc	42	I	GAIN CONT
13	—	A-GND	28	—	A-Vcc	43	O	PRIE AMP
14	I	OSCI	29	—	NC	44	I	GCA
15	—	NC	30	O	fr SCF			



NOTE: FD; FREQUENCY DEMULTIPLIER  
SCF; SWITCHED CAPACITOR FILTER



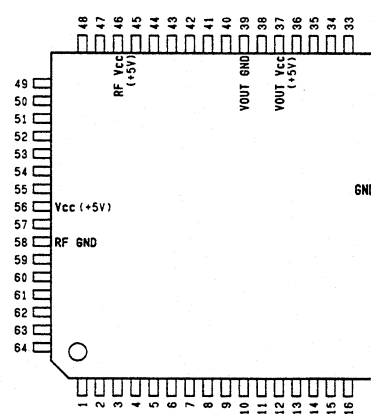
INPUT		DIVIDING RATIO
SEL1	SEL2	
0	0	1/40
0	1	1/50
1	0	1/36
1	1	1/58

0 : LOW LEVEL (up to 0.5V)  
1 : HIGH LEVEL (at least 3.5V)

## CXA1207AR (SONY)

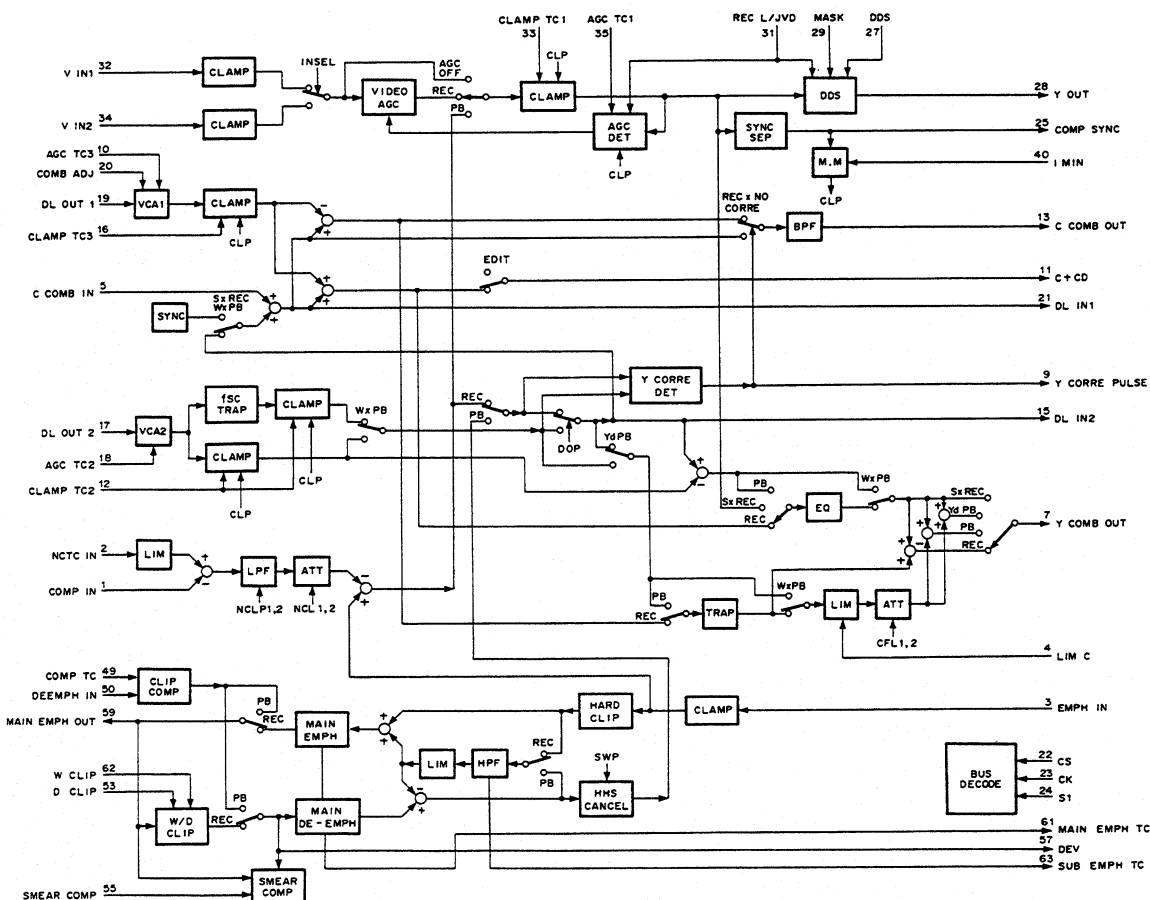
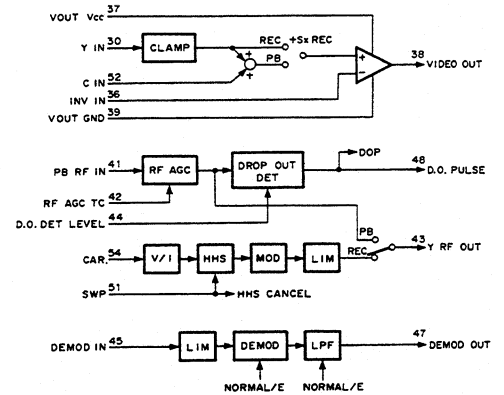
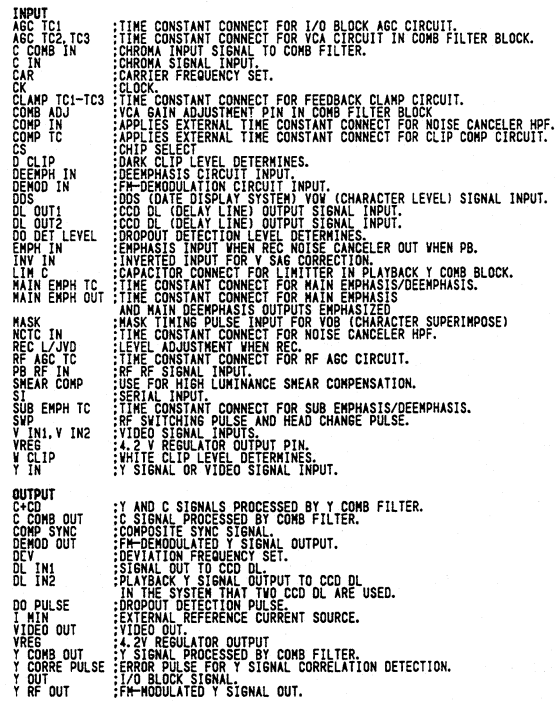
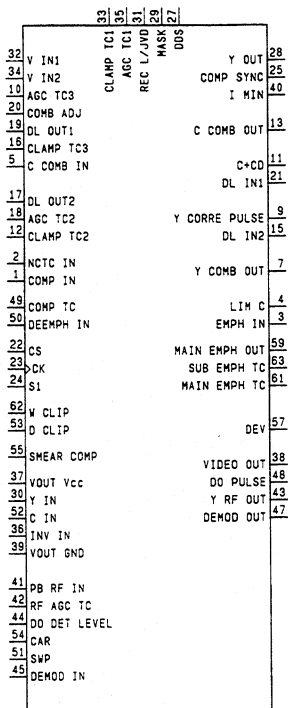
## 8mm VTR LUMINANCE SIGNAL PROCESSING

- TOP VIEW -

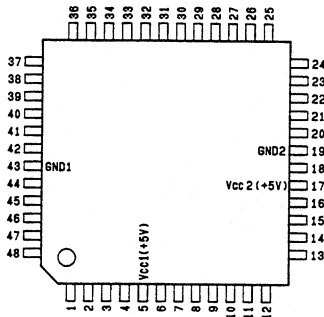


(V<sub>CC</sub> = +5V)

Pin#	I/O	SIGNAL	Pin#	I/O	SIGNAL	Pin#	I/O	SIGNAL	Pin#	I/O	SIGNAL
1	I	COMP IN	17	I	DL OUT2	33	I	CLAMP TC1	49	I	COMP TC
2	I	NCTC IN	18	I	AGC TC2	34	I	V IN2	50	I	DEEMPH IN
3	I	EMPH IN	19	I	DL OUT1	35	I	AGC TC1	51	I	SWP
4	I	LIM C	20	I	COMB ADJ	36	I	INV IN	52	I	C IN
5	I	C COMB IN	21	O	DL IN1	37	-	VOUT Vcc	53	I	D CLIP
6	-	VREG	22	I	CS	38	O	VIDEO OUT	54	I	CAR
7	O	Y COMB OUT	23	I	CK	39	-	VOUT GND	55	I	SNEAR COMP
8	-	IR	24	I	SI	40	I	I MIN	56	-	Vcc
9	O	Y CORRE PULSE	25	I	COMP SYNC	41	I	PB RF IN	57	I	DEV
10	I	AGC TC3	26	-	GND	42	I	RF AGC TC	58	-	RF GND
11	O	C+CD	27	I	DDS	43	O	Y RF OUT	59	O	MAIN EMPH OUT
12	I	CLAMP TC2	28	O	Y OUT	44	I	DO DET LEVEL	60	-	V61
13	O	C COMB OUT	29	I	MASK	45	I	DEMOD IN	61	O	MAIN EMPH TC
14	-	VREF	30	I	Y IN	46	-	RF Vcc	62	I	V CLIP
15	O	DL IN2	31	I	REC L/JVD	47	O	DEMOD OUT	63	O	SUB EMPH TC
16	I	CLAMP TC3	32	I	V IN1	48	O	DL PULSE	64	-	V62



## CX1A208R (SONY)

8mm VTR COLOR SIGNAL PROCESSING  
- TOP VIEW -

No	I/O	SYMBOL	No	I/O	SYMBOL	No	I/O	SYMBOL
1	I	DOP	17	-	Vcc2	33	I	PB
2	O	CF1	18	I	Y CORR P	34	I	BPF OUT
3	O	BF OUT	19	-	GND2	35	O	ACKBF
4	I	CF2	20	I	CT1	36	O	PB CONV OUT
5	-	Vcc1	21	I	CT2	37	I	C MUTE
6	-	IREF	22	O	ACC OUT	38	O	C OUT
7	-	VREG	23	-	-	39	I	C SEL
8	I	XTAL IN	24	O	B EMPH OUT	40	O	REC C OUT
9	-	IR	25	I	SP LP SEL	41	I	PAL
10	O	XTAL OUT	26	-	C EMPH 2	42	I	PB C RF IN
11	I	JOG	27	I	BDECONT	43	-	GND1
12	O	FSC OUT	28	-	C EMPH 1	44	I	EXT C IN
13	I	TEST	29	I	PAOCSEL	45	O	VCO OUT
14	-	APCFL	30	I	RPBC	46	I	C SYNC
15	-	DCFB	31	I	ACKSEL	47	I	SWP
16	-	AFCFL	32	O	FBC OUT	48	-	HMK C

**INPUT**

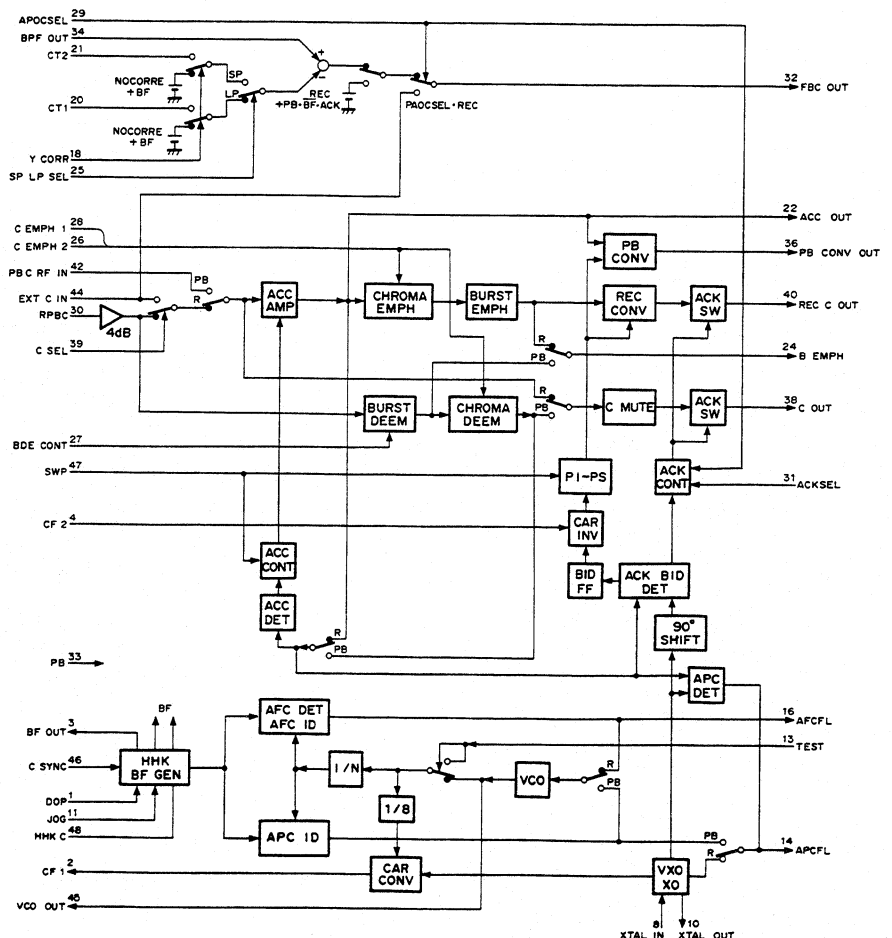
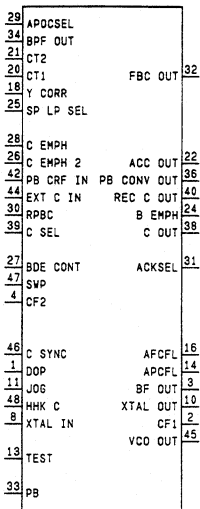
- ACK SEL : ACK SW MODE SELECT.
- B DE CONT : ADJUSTS BURST DEEMPHASIS AMOUNT WHEN PB.
- BPF OUT : FILTERED SIGNAL AFTER FREQUENCY CONVERT WHEN PB.
- C MUTE : COLOR SIGNAL MUTE SELECT
- C SEL : CHROMA SIGNAL INPUT SELECT WHEN REC.
- C SYNC : COMPOSITE SYNC
- CF2 : CF1 SIGNAL FILTERED BY BPF (NTSC : 4.32 MHz/PAL : 5.17 MHz)
- CT1 : CROSSTALK (C+CD) SIGNAL FROM CX1207A WHEN SP AND LP SEL IS LOW (LP).
- CT2 : CROSSTALK (C+CD) SIGNAL FROM CX1207A WHEN SP AND LP SEL IS HIGH.
- DOP : DROPOUT DETECTION PULSE INPUT
- EXT C IN : CHROMA RF SIGNAL WHEN REC.
- JOG : CONTROL FOR JOG PLAYBACK
- PAO C SEL : SETTING WHEN CAMERA REC.
- PAL : PAL SELECT (H : PAL, L : NTSC)
- PB : REC/PB MODE SELECT (H : PB, L : REC)
- PB C RF IN : CHROMA RF SIGNAL WHEN PB.
- R PB C : CHROMA SIGNAL
- SP LP SEL : SP/LP SELECT
- SWP : RF SW PULSE
- TEST : TEST MODE
- XTAL IN : REFERENCE INPUT FOR CRYSTAL OSC
- Y CORR P : Y SIGNAL H CORRELATED PULSE FROM CX1207A.

**OUTPUT**

- ACC OUT : ACC AMP OUTPUT.
- ACK BF : BF PULSE WHEN ACK.
- B EMPH OUT : CHROMA/EMPHASIS BURST SIGNAL (WHEN REC)
- BF OUT : BURST DEEMPHASIS SIGNAL (WHEN PB)
- C OUT : CHROMA SIGNAL WHEN PB.
- CF1 : CARRIER CONVERTER SIGNAL
- FBC OUT : CHROMA SIGNAL
- FSC OUT : fsc & DELAY LINE CLOCK
- PB CONV OUT : FREQUENCY CONVERTED CHROMA SIGNAL WHEN PB.
- REC C OUT : FREQUENCY CONVERTED CHROMA SIGNAL WHEN REC.
- VCO OUT : 375KHz (5.5MHz) : NTSC
- VREG : 4.2V REGULATOR
- XTAL OUT : REFERENCE OUTPUT FOR CRYSTAL OSC

**OTHER**

- AFC FL : CONNECT FILTER FOR AFC
- APC FL : CONNECT FILTER FOR APC
- C EMPH 1 : CONNECT BPF CHROMA EMPHASIS
- C EMPH 2 : CONNECT CHROMA EMPHASIS PHASE ADJUSTMENT COIL
- DCFB : CONNECT FILTER FOR VCO NO ADJUSTMENT
- HMK C : CONNECT TIME CONSTANT FOR C SYNC EQUIVALENT PULSE.
- IR : CONNECT FOR DECUPLING
- IREF : EXTERNAL REFERENCE CURRENT



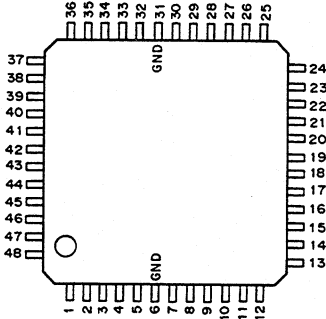




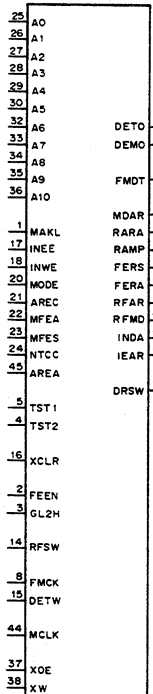
## CXD1066Q (SONY)

## CMOS PCM AUDIO INDEX TIMING GENERATOR

- TOP VIEW -

(V<sub>DD</sub> = +5V)

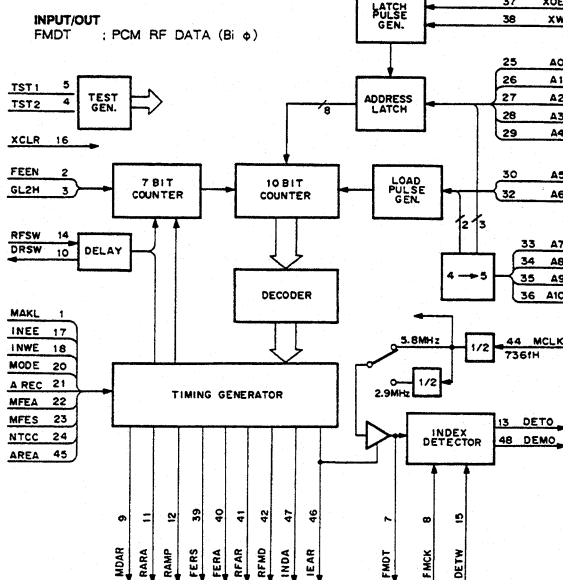
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	MAKL	13	O	DETO	25	I	A0	37	I	XOE
2	I	FEEN	14	I	RFSW	26	I	A1	38	I	XW
3	I	GL2H	15	I	DETW	27	I	A2	39	O	FERS
4	I	TST2	16	I	XCLR	28	I	A3	40	O	FERA
5	I	TST1	17	I	INEE	29	I	A4	41	O	RFAR
6	-	GND	18	I	INWE	30	I	A5	42	O	RFMD
7	I/O	FMDT	19	-	V <sub>DD</sub>	31	-	GND	43	-	V <sub>DD</sub>
8	I	FMCK	20	I	MODE	32	I	A6	44	I	MCLK
9	O	MDAR	21	I	AREC	33	I	A7	45	I	AREA
10	O	DRSW	22	I	MFEA	34	I	A8	46	O	IEAR
11	O	RARA	23	I	MFES	35	I	A9	47	O	INDA
12	O	RAMP	24	I	NTCC	36	I	A10	48	O	DEMO



**INPUT**  
 A0-A10 : ADDRESS BUS-10  
 AREA : PCM DATA READ/WRITE AREA  
 AREC : AFTER REC ENABLE  
 DETW : INDEX DETECT WINDOW  
 FEEN : INDEX WRITE/ERASE AREA MODIFY (H: ON/L: OFF)  
 FMCK : PCM RF DATA CLOCK (736Hz)  
 GL2H : INDEX WRITE/ERASE AREA MODIFY SELECT  
 INEE : INDEX SIGNAL ERASE ENABLE  
 INWE : INDEX SIGNAL WRITE ENABLE  
 MAKL : VIDEO MASK SELECT  
 MCLK : MASTER CLOCK (736Hz)  
 MFEA : VIDEO MASK SELECT  
 MFES : FALSE MD SELECT TIMING  
 MODE : REC/PB SELECT (H: PB/L: REC)  
 NTCC/CCIR SELECT (H: NTSC/L: CCIR)  
 RFSW : RF SWITCHING PULSE  
 TST1, 2 : TEST  
 XCLR : ALL CLEAR  
 XOE : RAM OUTPUT ENABLE  
 XW : RAM WRITE ENABLE

**OUTPUT**  
 DEMO : FM DEMODULATE  
 INDEX DETECT  
 DELAYED RF SWITCHING PULSE  
 VIDEO MASK TIMING  
 FALSE HD SELECT TIMING  
 INDEX WRITE/ERASE AREA  
 INDEX WRITE AREA  
 PCM DATA READ/WRITE AREA  
 FOR RAM CONTROLLER  
 REC/PB AMP DC BIAS CONTROL SIGNAL  
 REC/PB AMP REC AREA  
 PCM EQ AMP REC AREA  
 PCM EQ AMP REC/PB MODE

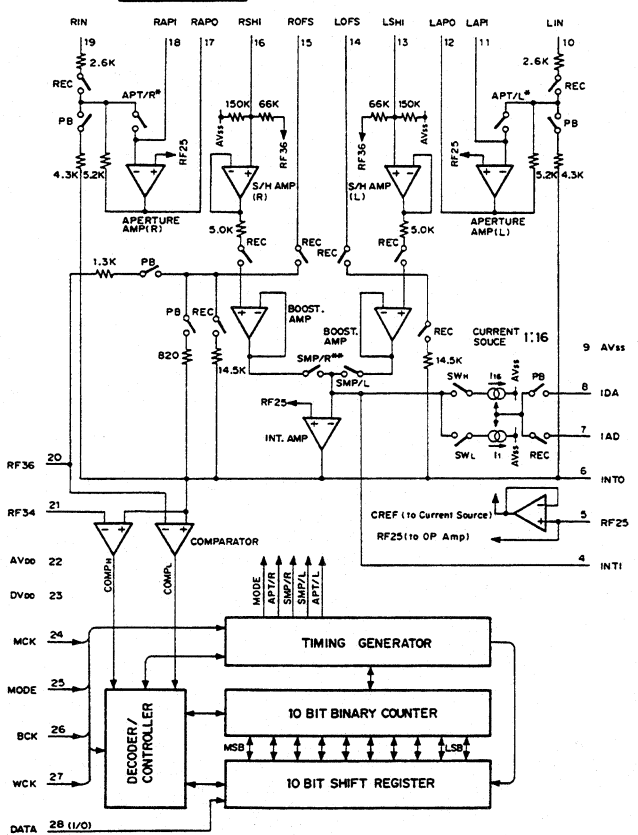
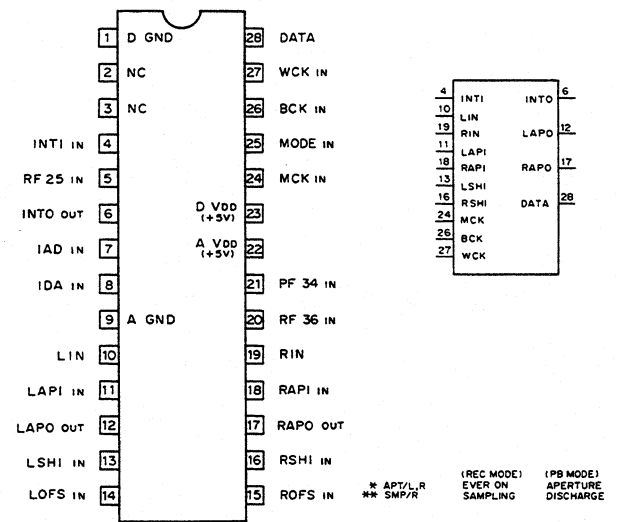
**INPUT/OUT**  
 FMDT : PCM RF DATA (B<sub>i</sub> φ)



## CXD1077M (SONY) MINI FLAT PACKAGE

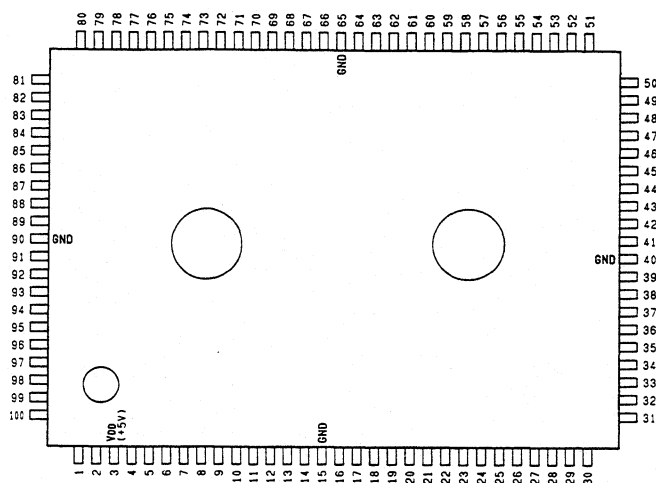
## CMOS A/D, D/A CONVERTER FOR PCM AUDIO

- TOP VIEW -

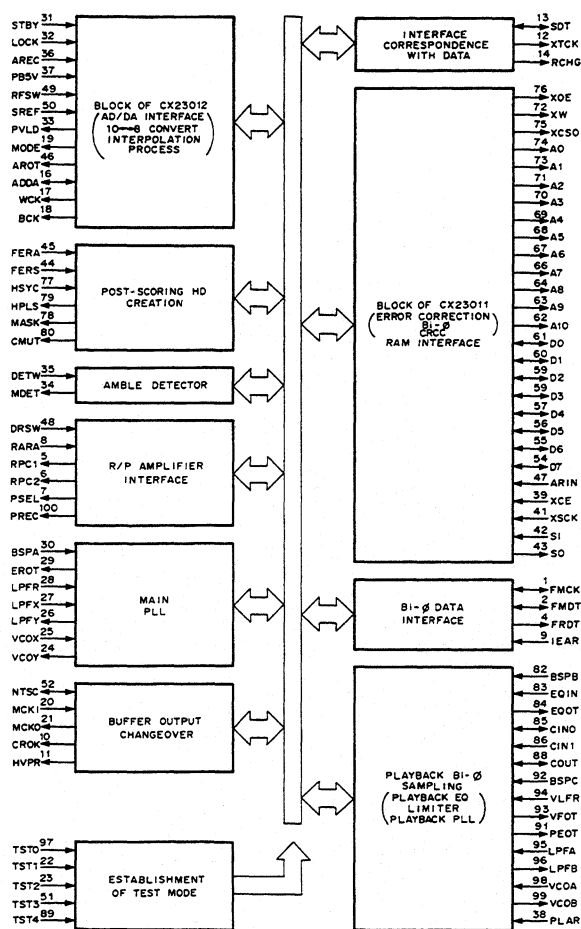


BCK ; BIT CLOCK INPUT TERMINAL  
 DATA ; DATA INPUT/OUTPUT TERMINAL  
 IAD ; INTEGRATION CURRENT SET UP TERMINAL (REC MODE)  
 IDA ; INTEGRATION CURRENT SET UP TERMINAL (PB MODE)  
 INTI ; INTEGRATION AMP INPUT TERMINAL  
 INTO ; INTEGRATION AMP OUTPUT TERMINAL  
 LAPI ; APERTURE AMP INPUT TERMINAL (L)  
 LAPO ; APERTURE AMP OUTPUT TERMINAL (L)  
 LIN ; ANALOG SIGNAL INPUT TERMINAL (L)  
 LOFS ; OFFSET CORRECT TERMINAL (L)  
 LSHI ; SAMPLE & HOLD AMP (L) INPUT TERMINAL  
 MCK ; MASTER CLOCK INPUT TERMINAL  
 MODE ; REC MODE/PB MODE SET UP TERMINAL  
 RAPO ; APERTURE AMP OUTPUT TERMINAL (R)  
 RAPI ; APERTURE AMP INPUT TERMINAL (R)  
 RIN ; ANALOG SIGNAL INPUT TERMINAL (R)  
 RF25 ; IMAGINE CONTACT ELECTRIC POTENTIAL SET UP TERMINAL  
 RF34 ; HIGHER RANK VOLTAGE SET UP TERMINAL  
 RF36 ; (REC) LOW RANK VOLTAGE SET UP TERMINAL  
 ROFS ; OFFSET CORRECT TERMINAL (R)  
 RSHI ; SAMPLE & HOLD AMP (R) INPUT TERMINAL  
 WCK ; WORD CLOCK INPUT TERMINAL

## CXD1208Q (SONY)

C-MOS PCM AUDIO SIGNAL PROCESSOR FOR 8mm VIDEO  
- TOP VIEW -

No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL
1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EQIN
9	I	IEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
10	O	CROK	35	I	DETV	60	I/O	D1	85	I	CIN1
11	O	HVPR	36	I	AREC	61	I/O	D0	86	I	CIN0
12	O	XTCK	37	I	PBSV	62	O	A10	87	I	AVSS
13	I/O	SDT	38	I	PLAR	63	O	A9	88	O	COUT
14	O	RCHG	39	I	XCE	64	O	A8	89	I	TST4
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I/O	ADDA	41	I	XSCX	66	O	A7	91	O	PEOT
17	O	WCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
20	I	MCKI	45	I	FERA	70	O	A3	95	I	LPFA
21	O	MCKO	46	O	AROT	71	O	A2	96	O	LPFB
22	I	TST1	47	I	ARIN	72	O	XV	97	I	TST0
23	I	TST2	48	I	DRSW	73	O	A1	98	I	VCOA
24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC



No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL
1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EQIN
9	I	IEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
10	O	CROK	35	I	DETV	60	I/O	D1	85	I	CIN1
11	O	HVPR	36	I	AREC	61	I/O	D0	86	I	CIN0
12	O	XTCK	37	I	PBSV	62	O	A10	87	I	AVSS
13	I/O	SDT	38	I	PLAR	63	O	A9	88	O	COUT
14	O	RCHG	39	I	XCE	64	O	A8	89	I	TST4
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I/O	ADDA	41	I	XSCX	66	O	A7	91	O	PEOT
17	O	WCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
20	I	MCKI	45	I	FERA	70	O	A3	95	I	LPFA
21	O	MCKO	46	O	AROT	71	O	A2	96	O	LPFB
22	I	TST1	47	I	ARIN	72	O	XV	97	I	TST0
23	I	TST2	48	I	DRSW	73	O	A1	98	I	VCOA
24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC

1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EQIN
9	I	IEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
10	O	CROK	35	I	DETV	60	I/O	D1	85	I	CIN1
11	O	HVPR	36	I	AREC	61	I/O	D0	86	I	CIN0
12	O	XTCK	37	I	PBSV	62	O	A10	87	I	AVSS
13	I/O	SDT	38	I	PLAR	63	O	A9	88	O	COUT
14	O	RCHG	39	I	XCE	64	O	A8	89	I	TST4
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I/O	ADDA	41	I	XSCX	66	O	A7	91	O	PEOT
17	O	WCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
20	I	MCKI	45	I	FERA	70	O	A3	95	I	LPFA
21	O	MCKO	46	O	AROT	71	O	A2	96	O	LPFB
22	I	TST1	47	I	ARIN	72	O	XV	97	I	TST0
23	I	TST2	48	I	DRSW	73	O	A1	98	I	VCOA
24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC

1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EQIN
9	I	IEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
10	O	CROK	35	I	DETV	60	I/O	D1	85	I	CIN1
11	O	HVPR	36	I	AREC	61	I/O	D0	86	I	CIN0
12	O	XTCK	37	I	PBSV	62	O	A10	87	I	AVSS
13	I/O	SDT	38	I	PLAR	63	O	A9	88	O	COUT
14	O	RCHG	39	I	XCE	64	O	A8	89	I	TST4
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I/O	ADDA	41	I	XSCX	66	O	A7	91	O	PEOT
17	O	WCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
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24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC

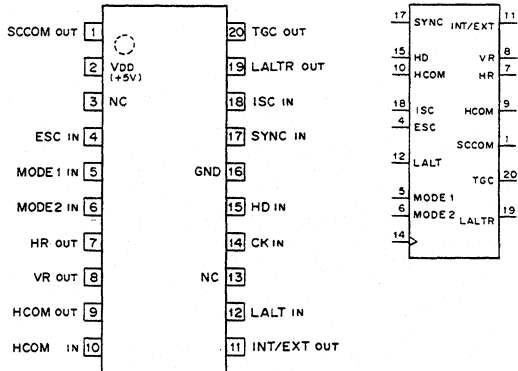
  

1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
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23	I	TST2	48	I	DRSW	73	O	A1	98	I	VCOA
24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC

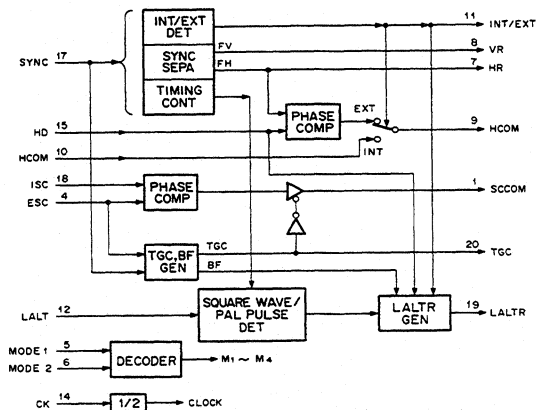
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2	I/O	FMDT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	VDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EQIN
9	I	IEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
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17	O	WCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
20	I	MCKI	45	I	FERA	70					

CXD1216M (SONY) FLAT PACKAGE  
C-MOS GENLOCK DRIVER  
- TOP VIEW -



INPUT	MODE1	MODE2	MODE	SYSTEM
0	0	0	M1	PAL-VBS
1	0	0	M2	PALM-VBS
0	1	0	M3	PAL-SECAM-VS/SC/LALT
1	1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

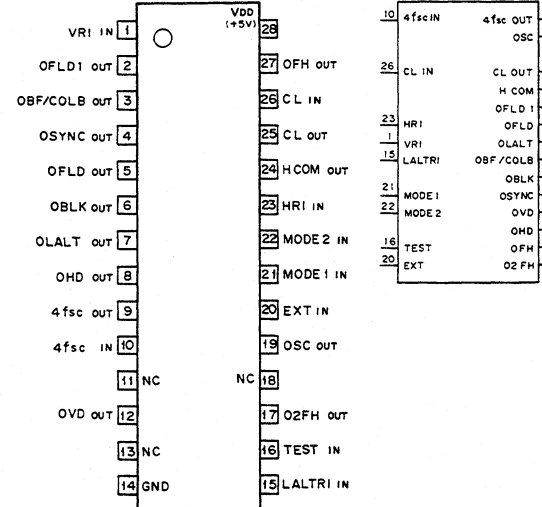
0: LOW LEVEL  
1: HIGH LEVEL



**INPUT**  
CK : 4fsc CLOCK INPUT  
ESC : SC/COLOR BURST  
HCOM : PHASE COMPARE FROM CXD1217  
HD : H DRIVE FROM CXD1217  
ISC : SUBCARRIER FROM CXD1217  
LALT : LALT FROM REFERENCE SIGNAL GENERATOR  
MODE1,2 : SYSTEM SELECT  
SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

**OUTPUT**  
HCOM : PHASE COMPARE HR WITH HD  
HR : fh OF SYNC SEPARATE  
INT/EXT : INTERNAL/EXTERNAL SPECIFIED  
LALTR : LINE CHANGE RESET  
SCCOM : PHASE COMPARE ESC WITH ISC  
TGC : TRISTATE CONTROL  
VR : fv OF SYNC SEPARATE

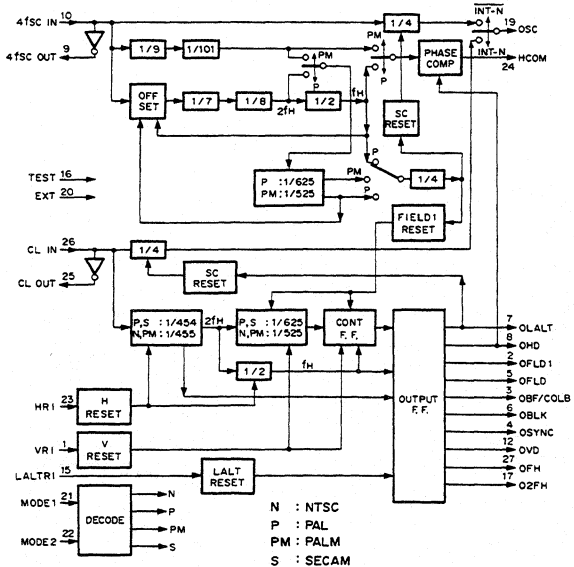
CXD1217M (SONY) FLAT PACKAGE  
C-MOS SYNC GENERATOR  
- TOP VIEW -



SYSTEM	4fsc	CLOCK
NTSC	910fh	910fh
PAL	1135fh+2fv	908fh
PALM	909fh	910fh
SECAM	—	908fh

INPUT	MODE1	MODE2	SYSTEM
0	0	0	NTSC
0	1	0	SECAM
1	0	0	PALM
1	1	1	PAL

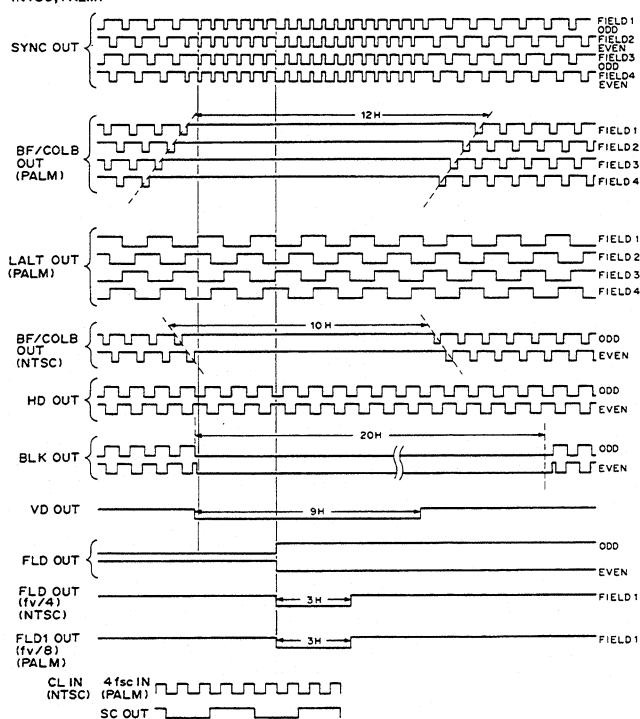
0: LOW LEVEL  
1: HIGH LEVEL



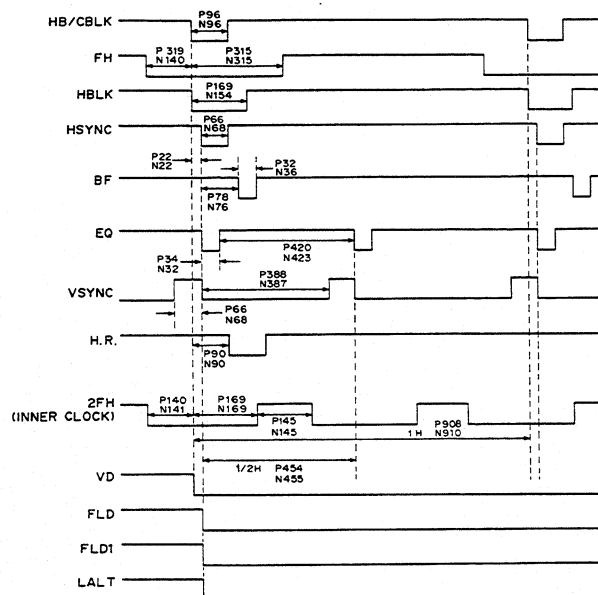
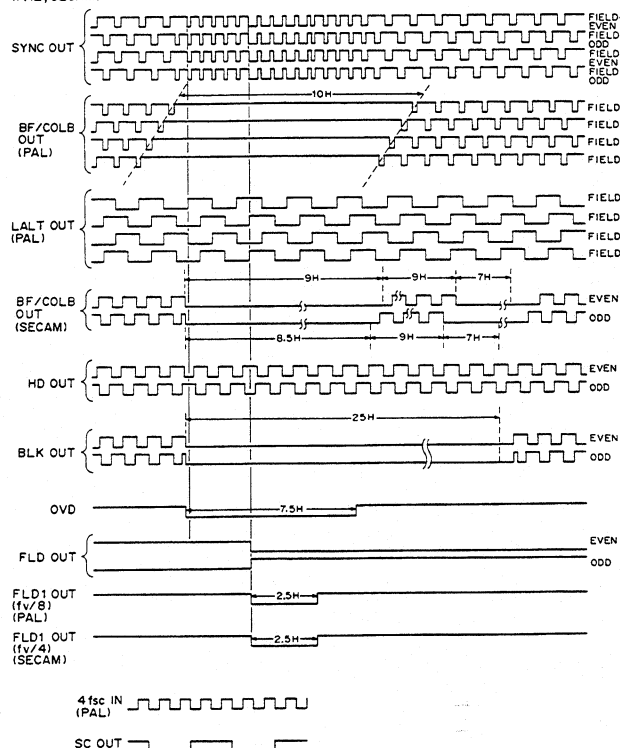
**INPUT**  
4fsc IN : 4fsc INPUT  
CL IN : CLOCK INPUT  
EXT : SYNC MODE SELECT  
(L: INTERNAL/H: EXTERNAL)  
HRI : H RESET  
LALTR : LINE CHANGE RESET  
MODE1,2 : SYSTEM SELECT  
VR1 : V RESET

**OUTPUT**  
4fsc OUT : 4fsc OUTPUT  
CL OUT : CLOCK OUTPUT  
HCOM : PHASE COMPARE  
O2FH : 2fh OUTPUT  
OBF/COLB : BURST FLAG/COLOR BLANKING  
OBLK : COMPOSITE BLANKING  
OFH : H FREQUENCY  
OFLD : EVEN, ODD  
OFLD1 : FIELD1  
OHD : H DRIVE  
OLALT : LINE CHANGE  
OSC : SUBCARRIER  
OSYNC : COMPOSITE SYNC  
OVD : V DRIVE

(NTSC, PALM)

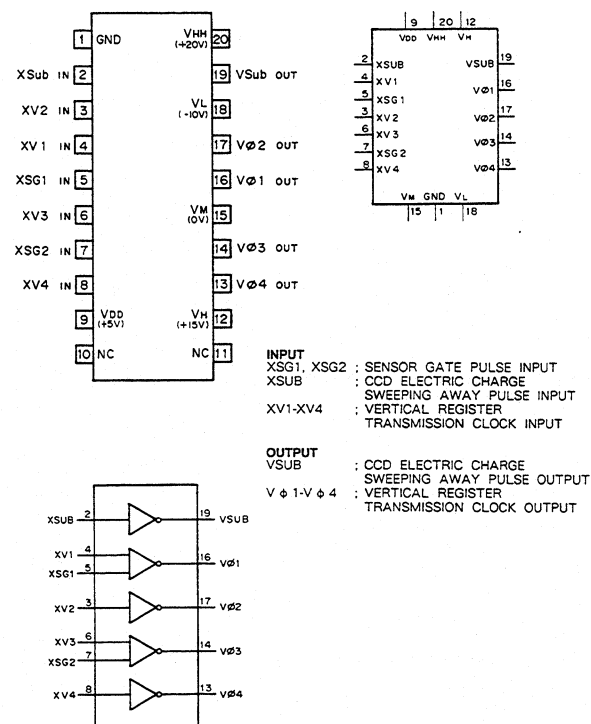


(PAL, SECAM)

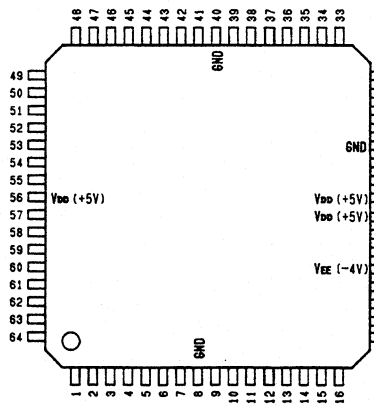


P: PAL, SECAM  
N: NTSC, PALM

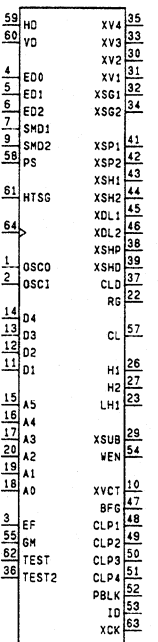
# CXD1250M (SONY) FLAT PACKAGE C-MOS VERTICAL CLOCK DRIVER FOR CCD - TOP VIEW -



CXD1256AR (SONY) FLAT PACKAGE  
TIMING GENERATOR FOR CCD CAMERA  
- TOP VIEW -



Pin No.	I/O	SYMBOL	Pin No.	I/O	SYMBOL	Pin No.	I/O	SYMBOL	Pin No.	I/O	SYMBOL
1	0	OSCI	17	0	A3	33	0	XV3	49	I/O	CLP2
2	I	OSCI	18	0	A0	34	0	XSG2	50	I/O	CLP3
3	I	EF	19	0	A1	35	0	XV4	51	0	CLP4
4	I	ED0	20	0	A2	36	I	TEST2	52	0	PBLK
5	I	ED1	21	-	VDD	37	0	CLD	53	0	ID
6	I	ED2	22	0	RG	38	0	XSHD	54	0	VEN
7	I	SMD1	23	-	LH1	39	0	XSHD	55	I	GM
8	-	GND	24	-	VDD	40	-	GND	56	-	VDD
9	I	SMD2	25	-	VDD	41	0	XSP1	57	0	CL
10	0	XVCT	26	0	H1	42	0	XSP2	58	I	PS
11	I	D1	27	0	H2	43	0	XSH1	59	I	HD
12	I	D2	28	-	GND	44	0	XSH2	60	I	VD
13	I	D3	29	0	XSUB	45	0	XDL1	61	I	HTSG
14	I	D4	30	0	XV2	46	0	XDL2	62	I	TEST
15	0	A5	31	0	XV1	47	0	BFG	63	0	XCK
16	0	A4	32	0	XSG1	48	0	CLP1	64	I	CK



**INPUT**

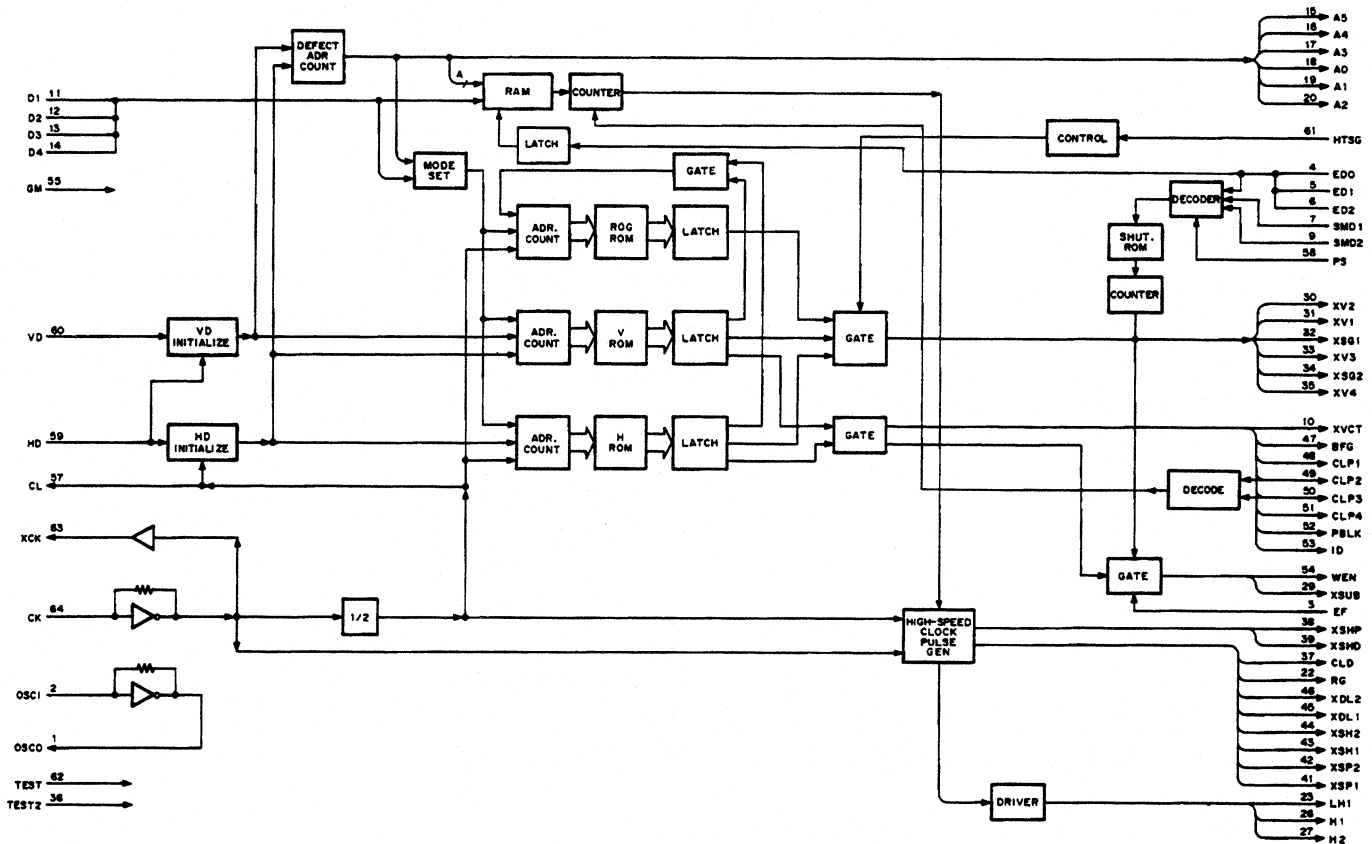
CK : 8fsc CLOCK  
D1 : WHEN EXTERNAL ROM IS USED, DATA INPUT.  
WHEN NOT USED, L: NO ERROR COMPENSATION  
D2 : WHEN EXTERNAL ROM IS USED, DATA INPUT  
WHEN NOT USED, L: COLOR H: B/W  
D3 : WHEN EXTERNAL ROM IS USED, DATA INPUT.  
WHEN NOT USED, FIXED TO LOW  
D4 : WHEN EXTERNAL ROM IS USED, DATA INPUT.  
WHEN NOT USED, L: NTSC H: PAL  
ED0 : SHUTTER SPEED SET. WHEN SERIAL MODE, STROBE INPUT.  
ED1 : SHUTTER SPEED SET. WHEN SERIAL MODE, CLOCK INPUT.  
ED2 : SHUTTER SPEED SET. WHEN SERIAL MODE, DATA INPUT.  
EF : DATA INPUT METHOD CHANGE FOR ERROR COMPENSATION  
H : EXTERNAL ROM USED  
L : SERIAL INPUT FROM MICROPROCESSOR  
GM : L: FOR ANALOG SIGNAL, H: FOR DIGITAL SIGNAL  
HD : HORIZONTAL DRIVE  
HTSG : XSG1, XSG2 CONTROL  
H : XSG1 AND 2 GENERATED  
L : XSG1 AND 2 STOPPED  
OSCI : INVERTER INPUT FOR OSCILLATION  
PS : ELECTRONIC SHUTTER SPEED INPUT METHOD CHANGE  
H : PARALLEL INPUT  
L : SERIAL INPUT  
SMD1, SMD2 : SHUTTER MODE SET  
TEST, TEST2 : FOR TEST (NORMALLY Low)  
VD : VERTICAL DRIVE

**OUTPUT**

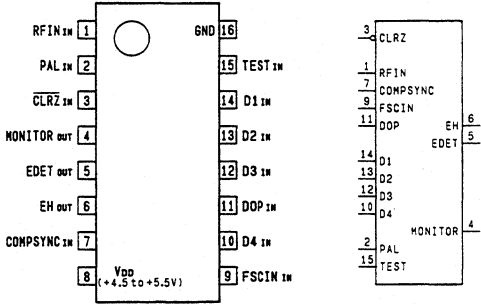
A5-A0 : ADDRESS FOR EXTERNAL ROM  
BFG : PULSE FOR ENCODER-CHROMA MODULATOR  
WHEN GM = H, ERROR POSITION SPECIFYING PULSE  
CL : 4fsc CLOCK  
CLD : 4fsc CLOCK  
CLP1, CLP4 : PULSE FOR CLAMP  
H1, H2 : CLOCK FOR CCD HORIZONTAL REGISTER DRIVE  
ID : LINE IDENTIFICATION  
OSCI : INVERTER OUTPUT FOR OSCILLATION  
PBLK : BLANKING CLEANING PULSE  
RG : RESET GATE PULSE  
WEN : WRITE ENABLE (ONLY WHEN LOW SHUTTER SPEED)  
XCK : 8fsc CLOCK  
XDL1, XDL2 : CLOCK FOR DELAY LINE  
XSG1, XSG2 : CCD SENSOR ELECTRIC CHARGE READ OUT PULSE  
XSH1, XSH2 : SWITCHING SAMPLE HOLD PULSE  
XSHD : PULSE FOR DATA SAMPLE HOLD  
XSP1, XSP2 : CHROMA SEPARATION SAMPLE HOLD PULSE  
XSUB : ELECTRIC CHARGE DISCHARGING PULSE  
XV1-XV4 : VERTICAL SCANNING CLOCK  
XVCT : POWER CONTROL FOR EXTERNAL ROM

**INPUT/OUTPUT**

CLP2, CLP3 : PULSE FOR CLAMP. WHEN GM = H, STANDBY MODE SWITCHING INPUT



CXD2107M (SONY) FLAT PACKAGE  
C-MOS DEFINITION DETECTOR  
- TOP VIEW -



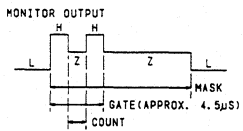
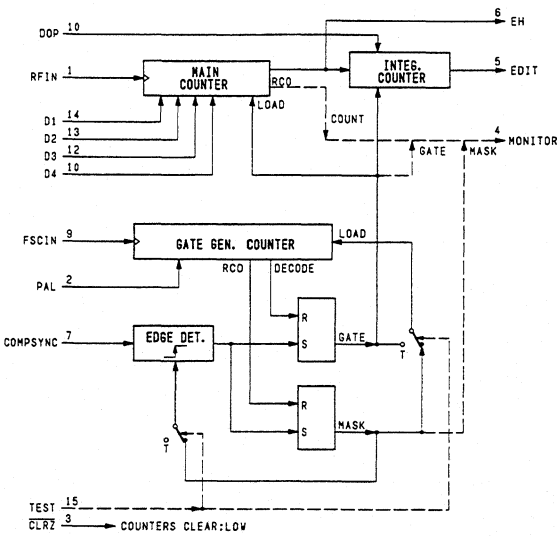
```

INPUT
CLR2      : CLEAR SIGNAL INPUT FOR INTERNAL COUNTERS
COMPNSYC: COMPOSITE SYNC INPUT
DI-D4     : LOAD DATA INPUTS FOR MAIN COUNTER (D0=HIGH, FIXED DATA)
D5-D7     : DROOP COMPENSATION PULSES
PGCIN     : COLOR SUBCARTER INPUT. NTSC=5.579545MHz, PAL=4.433619MHz
PAL       : OPERATION MODE SELECT INPUT. HIGH=PAL, LOW=NTSC
RFIN      : PLAYBACK Y RF SIGNAL INPUT
TEST      : TEST CONTROL INPUT. NORMAL=LOW

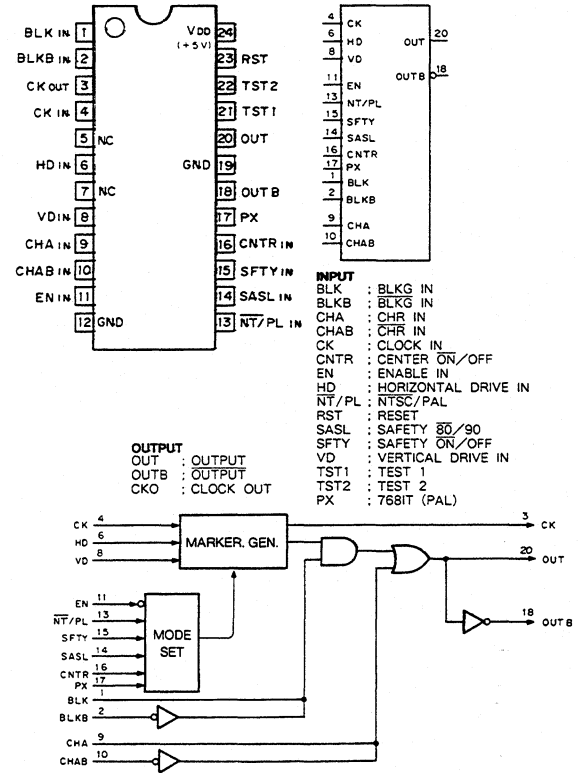
OUTPUT
EDET      : E* MODE DETECTION OUTPUT. CONTINUOUS 16H
EH        : E* MODE DETECTION OUTPUT. DISTINGUISH IN 1H
MONITOR   : MONITOR OUTPUT OF COUNT, GATE, AND MASK PULSES

NOTE
E*        : EXTENDED DEFINITION

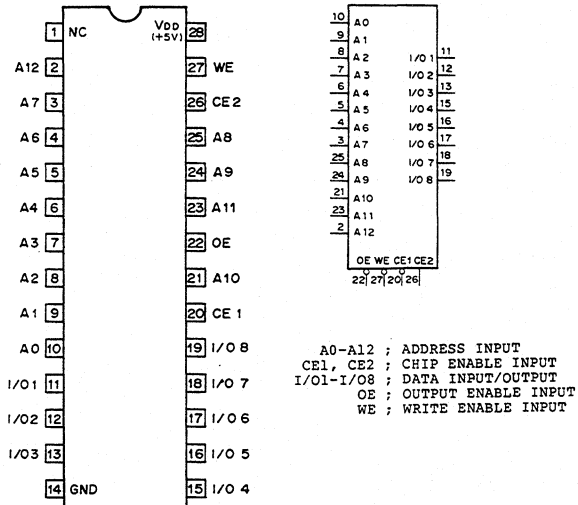
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CXD8154M (SONY)  
C-MOS GATE ARRAY  
- TOP VIEW -

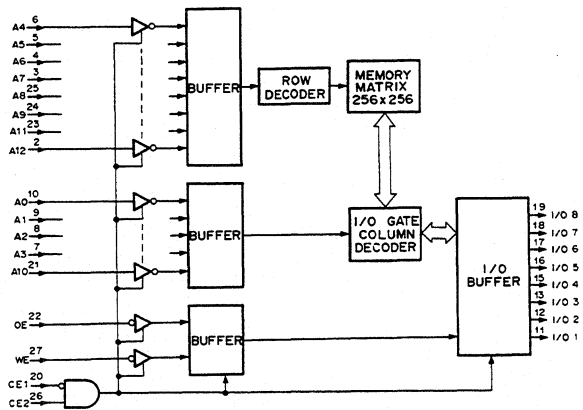


CXK5864BM-12L (SONY) FLAT PACKAGE  
C-MOS 64K (8192x8)-BIT STATIC RAM  
- TOP VIEW -

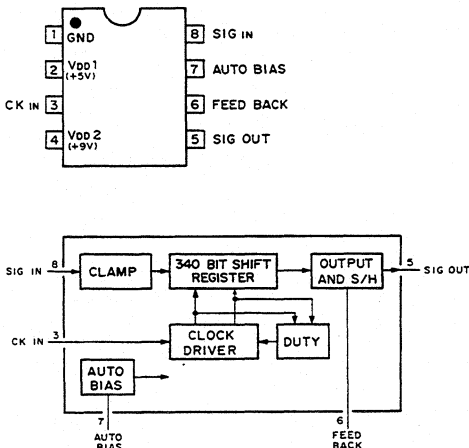


CE1	CE2	OE	WE	MODE	I/O TERMINAL
1	X	X	X	NOT SELECT	HIGH IMPEDANCE
X	0	X	X	NOT SELECT	HIGH IMPEDANCE
0	1	1	1	OUTPUT DISABLE	HIGH IMPEDANCE
0	1	0	1	READ	OUTPUT DATA
0	1	X	0	WRITE	INPUT DATA

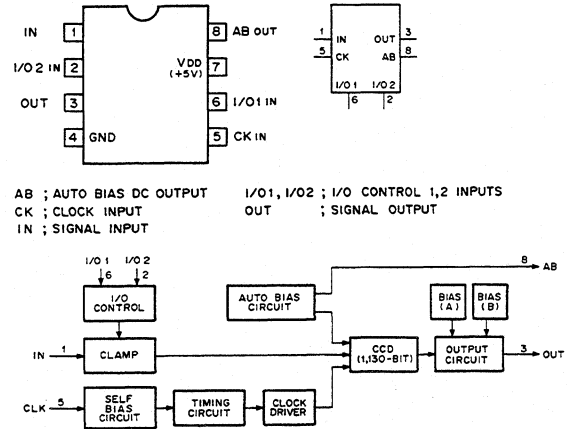
0; LOW LEVEL  
1; HIGH LEVEL  
X; DON'T CARE



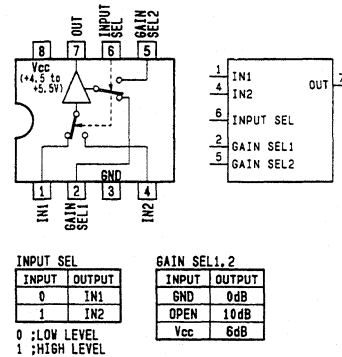
CXL5502M (SONY) FLAT PACKAGE  
C-MOS CCD1H DELAY LINE (NTSC)  
- TOP VIEW -



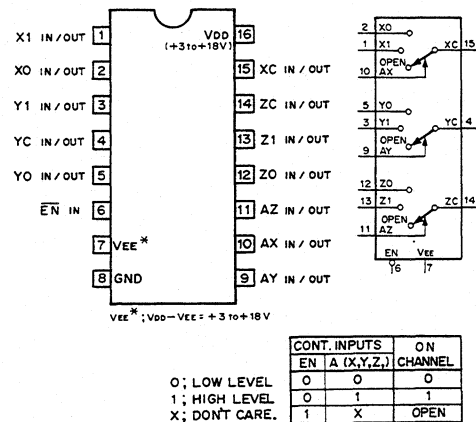
CXL5504M (SONY)  
C-MOS CCD 1H DELAY LINE  
- TOP VIEW -



HA118070FP (HITACHI) FLAT PACKAGE  
SWITCH WITH AMPLIFIER  
- TOP VIEW -

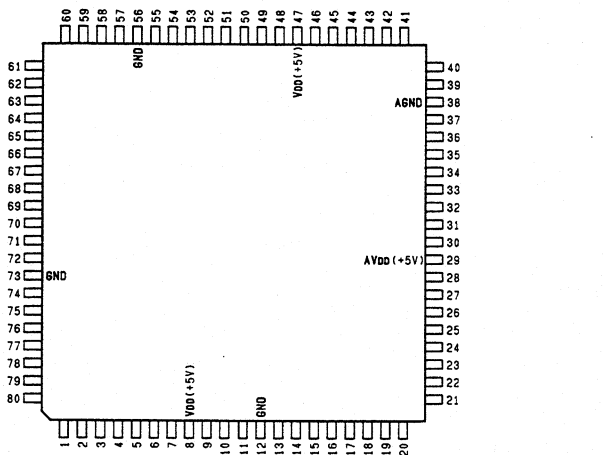


HD14053BFP (HITACHI) FLAT PACKAGE  
C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
- TOP VIEW -



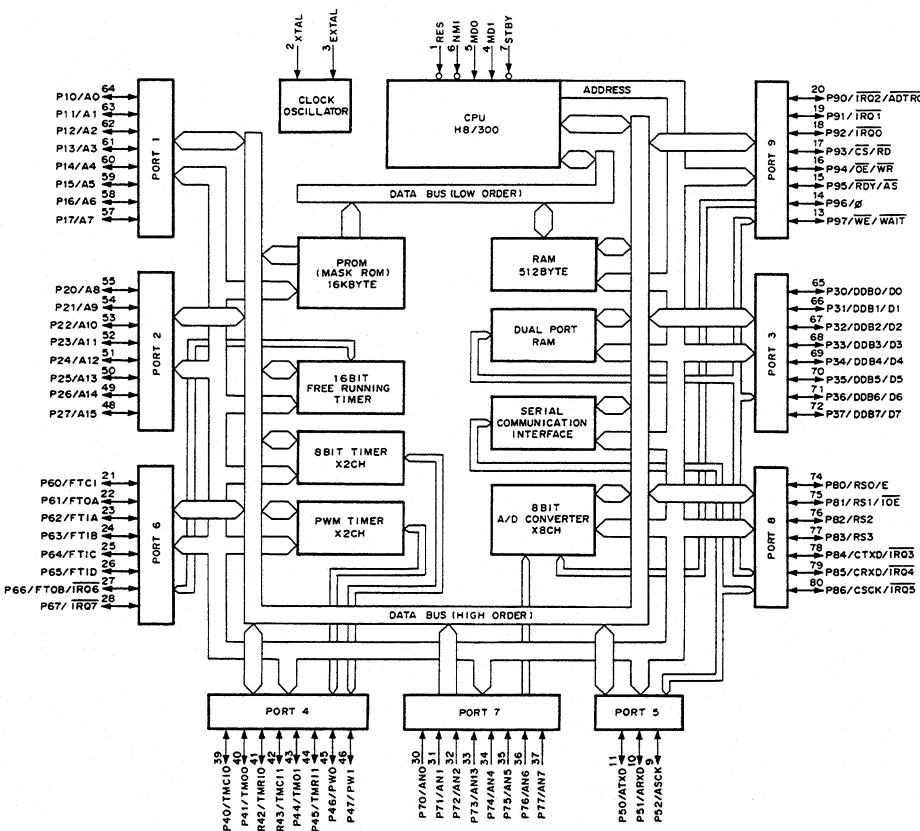


HD6413308F6 (HITACHI) FLAT PACKAGE  
C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER  
- TOP VIEW -

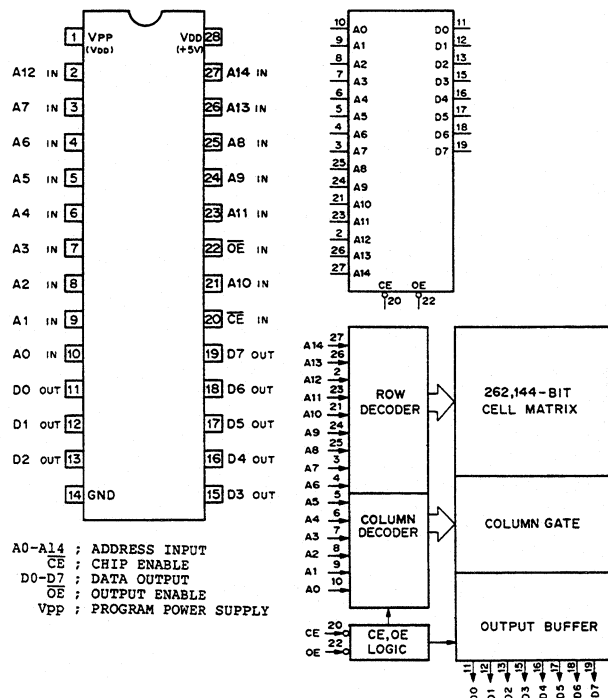


Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL
1	I	RES	21	I/O	P60/FTC1	41	I/O	P42/TMC10	61	I/O	P13/A3
2	I	XTAL	22	I/O	P61/FTO1	42	I/O	P43/TMC11	62	I/O	P12/A2
3	I	EXTAL	23	I/O	P62/FTI1	43	I/O	P44/TMC01	63	I/O	P11/A1
4	I	MD1	24	I/O	P63/FTI2	44	I/O	P45/TMC11	64	I/O	P10/A0
5	I	MD0	25	I/O	P64/FTI3	45	I/O	P46/PW0	65	I/O	P30/DB0/D0
6	I	NMI	26	I/O	P65/FTI4	46	I/O	P47/PW1	66	I/O	P31/DB1/D1
7	I	STBY	27	I/O	P66/FTO8/IRG6	47	-	VDD	67	I/O	P32/DB2/D2
8	-	VDD	28	I/O	P67/IRG7	48	I/O	P27/A45	68	I/O	P33/DB3/D3
9	I/O	P52/ASCK	29	-	AVDD	49	I/O	P26/A14	69	I/O	P34/DB4/D4
10	I/O	P51/ARX0	30	I	P70/AN0	50	I/O	P25/A13	70	I/O	P35/DB5/D5
11	I/O	P52/ATX0	31	I	P71/AN1	51	I/O	P24/A12	71	I/O	P36/DB6/D6
12	-	GND	32	I	P72/AN2	52	I/O	P23/A11	72	I/O	P37/DB7/D7
13	I/O	P97/WE/WAIT	33	I	P73/AN3	53	I/O	P22/A10	73	-	GND
14	I/O	P96/AS	34	I	P74/AN4	54	I/O	P21/A9	74	I/O	P80/RS0/E
15	I/O	P95/RDY/AS	35	I	P75/AN5	55	I/O	P20/A8	75	I/O	P81/RS1/IOE
16	I/O	P94/OE/WR	36	I	P76/AN6	56	-	GND	76	I/O	P82/RS2
17	I/O	P93/CS/RD	37	I	P77/AN7	57	I/O	P17/A7	77	I/O	P83/RS3
18	I/O	P92/IRG0	38	-	AGND	58	I/O	P16/A6	78	I/O	P84/CTXD/IRG3
19	I/O	P91/IRG1	39	I/O	P40/TMC10	59	I/O	P15/A5	79	I/O	P85/CRXD/IRG4
20	I/O	P90/ADTRG/IRG2	40	I/O	P41/TMC01	60	I/O	P14/A4	80	I/O	P86/CSCK/IRG5

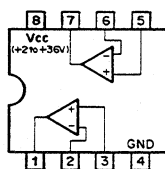
64	P10/A0	P50/ATX0	11	INPUT	
63	P11/A1	P51/ARX0	10	A15-A0	: ADDRESS BUS
62	P12/A2	P52/ASCK	9	ADTRG	: A/D CONVERSION EXIT TRIGGER
61	P13/A3			AN7-AN0	: ANALOG
60	P14/A4	P60/FTC1	21	ARXD, CRXD	: RECEIVE DATA
59	P15/A5	P61/FTO1	22	CS	: CHIP SELECT
58	P16/A6	P62/FTI1	23	FTC1	: FREE RUNNING TIMER CLOCK
57	P17/A7	P63/FTI2	24	IRG0-IRG7	: INTERRUPT REQUEST
		P64/FTI3	25	MD0, MD1	: MODE
55	P20/A8	P65/FTI4	26	NMI	: INTERRUPT FOR NO MASKING
54	P21/A9	P66/FTO8/IRG6	27	OE	: OUTPUT ENABLE
53	P22/A10	P67/IRG7	28	RES	: RESET
52	P23/A11			RS0-RS7	: REGISTER SELECT
51	P24/A12	P70/AN0	30	STBY	: STANDBY
50	P25/A13	P71/AN1	31	TMC10, TMC11	: 8-BIT TIMER CLOCK
49	P26/A14	P72/AN2	32	THR10, THR11	: 8-BIT TIMER COUNTER RESET
48	P27/A15	P73/AN3	33	XTAL, EXTAL	: CRYSTAL
		P74/AN4	34	WAIT	: WAIT
65	P30/DB0/D0	P75/AN5	35	WE	: WRITE ENABLE
66	P31/DB1/D1	P76/AN6	36		
67	P32/DB2/D2	P77/AN7	37		
68	P33/DB3/D3				
69	P34/DB4/D4	P80/RS0/E	80		
70	P35/DB5/D5	P81/RS1/IOE	79		
71	P36/DB6/D6	P82/RS2	78		
72	P37/DB7/D7	P83/RS3	77		
39	P40/TMC10	P84/CTXD/IRG3	76	OUTPUT	
40	P41/TMC01	P85/CRXD/IRG4	75	ATXD, CTXD	: TRANSMIT DATA
41	P42/TMC10	P86/CSCK/IRG5	74	AS	: ADDRESS STROBE
42	P43/TMC11			E	: ENABLE CLOCK
43	P44/TMC12	P90/IRG2/ADTRG	20	FTO1, FTO8	: FREE RUNNING TIMER COMPARE
44	P45/TMC13	P91/IRG1	19	IOS	: I/O SELECT
45	P46/PW0	P92/IRG0	18	PW0, PW1	: PWM TIMER
46	P47/PW1	P93/CS/RD	17	RD	: READY
		P94/OE/WR	16	RDY	: READY
		P95/RDY/AS	15	TH00, TH01	: 8-BIT TIMER
		P96/AS	14	WR	: WRITE
		P97/WE/WAIT	13	φ	: SYSTEM CLOCK
2	XTAL				
3	EXTAL				



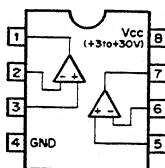
## HN27C256AFP-15T (HITACHI) FLAT PACKAGE

C-MOS 256K (32Kx8)-BIT ONE TIME PROM WITH 3-STATE OUTPUTS  
- TOP VIEW -

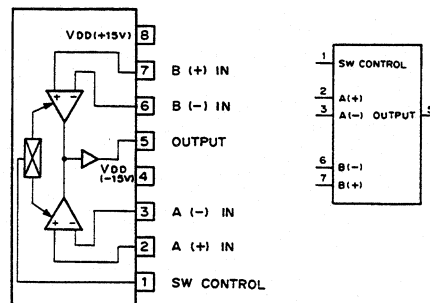
## LM2903M (RAYTHEON) FLAT PACKAGE

LM393PS (TI) FLAT PACKAGE  
DUAL VOLTAGE COMPARATORS  
- TOP VIEW -

## LM358PS (TI) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS  
- TOP VIEW -

## M5201FP (MITSUBISHI) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS WITH SWITCHED OUTPUT  
- TOP VIEW -

An	CE	OE	Vdd	Vpp	Dn	FUNCTION
An	0	0	+5V	+5V	Dout	READ
An	0	1	+5V	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	+5V	HI-Z	STANDBY
An	0	1	+6V	+12.5V	D IN	PGM
An	1	0	+6V	+12.5V	D OUT	PGM VERIFY(1)
An	0	0	+6V	+12.5V	D OUT	PGM VERIFY(2)
X	1	1	+6V	+12.5V	HI-Z	PGM INH
AO	0	0	+5V	+5V	DEVICE CODE	ELECTRONIC SIGNATURE*

\*SEE FOLLOWING DESCRIPTION.

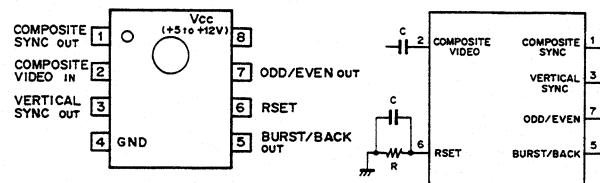
ELECTRONIC SIGNATURE FOR P ROM WRITER

ADDRESS SETTINGS IN READ MODE

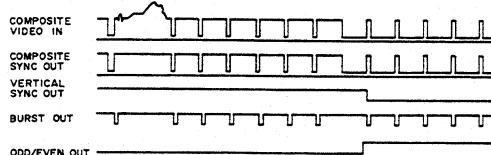
A1-A8	A9	A10-A13	A14, Vpp
0	12V	0	1

	AO	D7	D6	D5	D4	D3	D2	D1	D0
MAKER CODE	0	0	0	0	0	0	1	0	0
DEVICE CODE	1	0	1	1	0	0	0	1	0

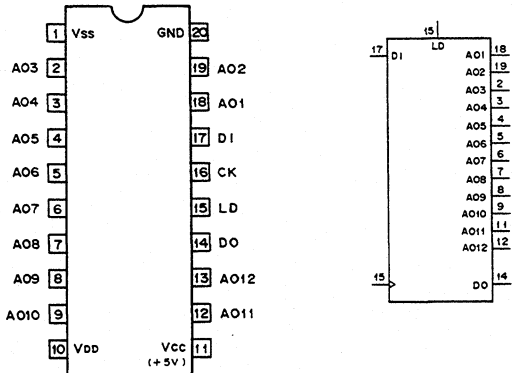
## LM1881M (NS) FLAT PACKAGE

VIDEO SYNC SEPARATOR  
- TOP VIEW -

## TIMING CHART

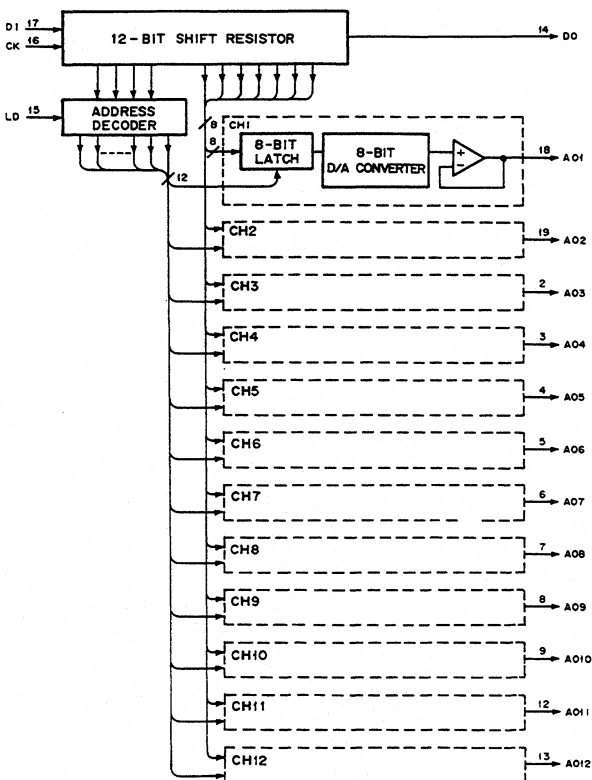


M62352GP (MITSUBISHI) FLAT PACKAGE  
C-MOS 8-BITx12 CHANNEL D/A CONVERTER  
(WITH BUFFER OPERATIONAL AMPLIFIER)  
- TOP VIEW -

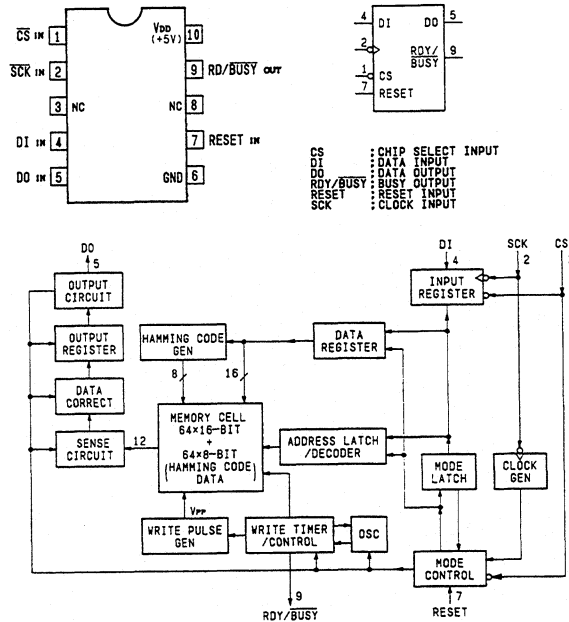


AO1 - AO12: 8-BIT D/A OUTPUT  
CK : CLOCK INPUT  
DI : SERIAL DATA INPUT  
DO : DATA OUTPUT

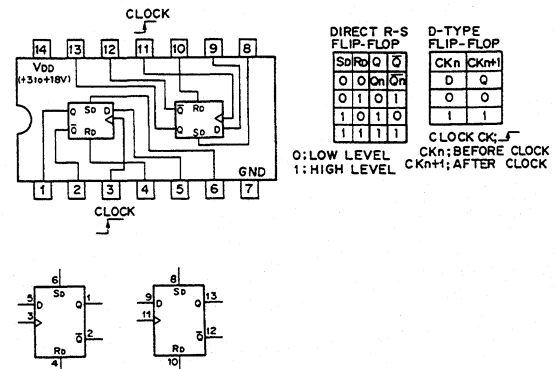
NOTE:  
3.5V < V<sub>DD</sub> < V<sub>CC</sub>  
- 3.5V < V<sub>SS</sub> < V<sub>CC</sub>



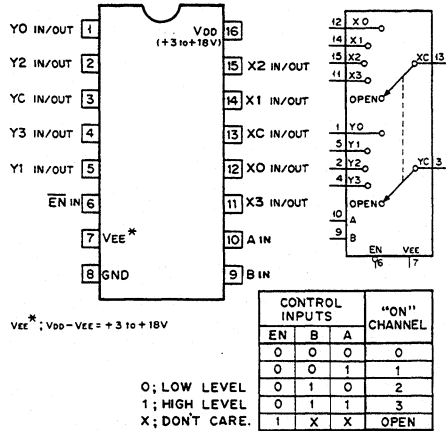
M6M80011AFP (MITSUBISHI) FLAT PACKAGE  
C-MOS 1k (64x16) BIT ERASABLE PROM  
- TOP VIEW -



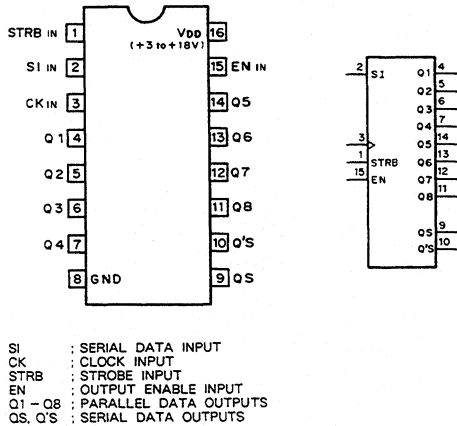
MC14013BF (MOTOROLA) FLAT PACKAGE  
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
- TOP VIEW -



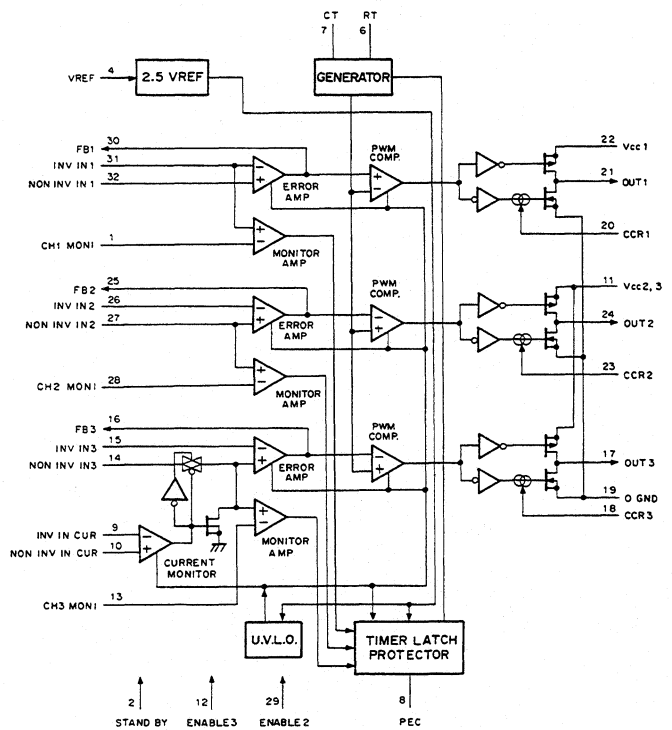
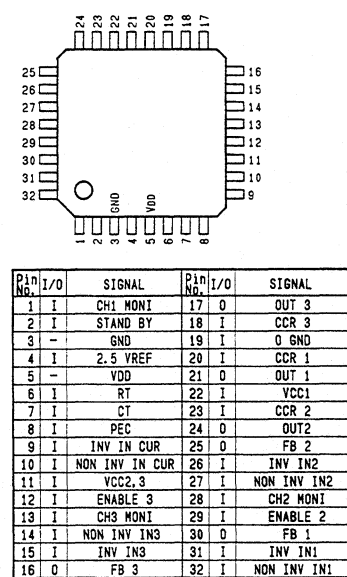
## MC14052BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
- TOP VIEW -

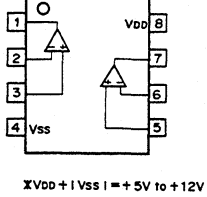
## MC14094BF (MOTOROLA) FLAT PACKAGE

C-MOS 8-STAGE SHIFT-AND-STORE BUS REGISTER  
- TOP VIEW -

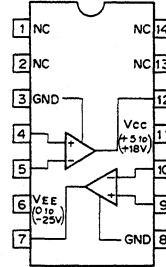
## MC141600FU (MOTOROLA)

C-MOS 3-CHANNEL PWM CONTROLLER  
- TOP VIEW -

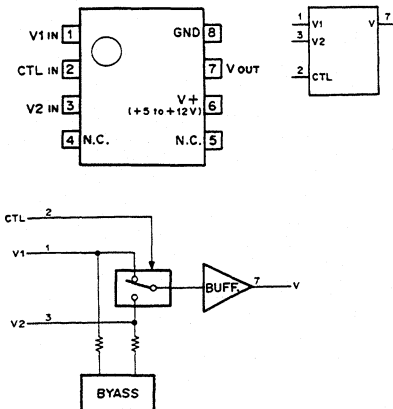
MC14577BF (MOTOROLA) FLAT PACKAGE  
C-MOS DUAL VIDEO AMPLIFIERS  
- TOP VIEW -



NJM319M (JRC) FLAT PACKAGE  
DUAL VOLTAGE COMPARATOR  
- TOP VIEW -



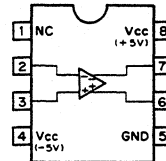
NJM2233BM (JRC) FLAT PACKAGE  
2-INPUT VIDEO SIGNAL SWITCH  
- TOP VIEW -



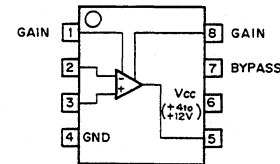
CTL	V
0	V1
1	V2

0: LOW LEVEL  
1: HIGH LEVEL

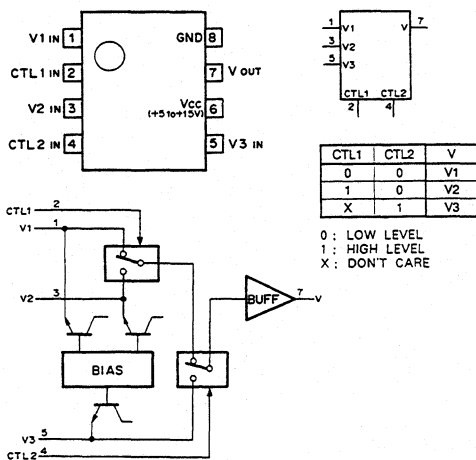
NJM360M (JRC) FLAT PACKAGE  
HIGH SPEED VOLTAGE COMPARATOR  
(TTL OUTPUT)  
- TOP VIEW -



NJM386M (JRC) FLAT PACKAGE  
AUDIO POWER AMPLIFIER  
- TOP VIEW -



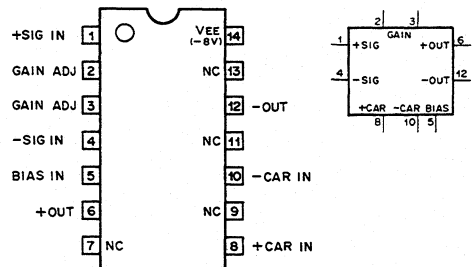
NJM2235M (JRC) FLAT PACKAGE  
3-INPUT VIDEO SIGNAL SWITCH  
- TOP VIEW -



CTL1	CTL2	V
0	0	V1
1	0	V2
X	1	V3

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

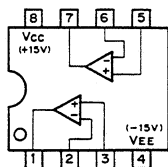
RC1496M (RAYTHEON) FLAT PACKAGE  
BALANCED MODULATOR/DEMODULATOR  
- TOP VIEW -



RC4558M (RAYTHEON) FLAT PACKAGE  
RC4560M (RAYTHEON) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER

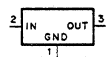
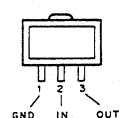
- TOP VIEW -



RH5RA50A (RICOH) + 5.0V FLAT PACKAGE  
S-81230AG-RB (SEIKO I AND E) + 3.0V FLAT PACKAGE  
S-81250HG-RD (SEIKO I AND E) + 5.0V FLAT PACKAGE

THREE TERMINAL POSITIVE VOLTAGE REGULATOR

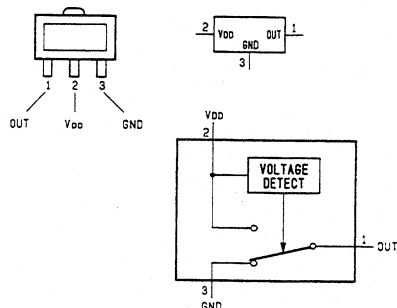
- TOP VIEW -



S-8054ALR-LN (SEIKO I AND E) 4.30-4.60V

C-MOS VOLTAGE DETECTOR

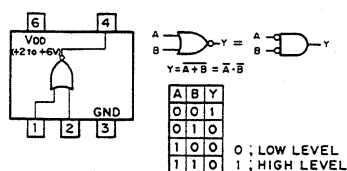
- TOP VIEW -



SC7S02F (MOTOROLA) FLAT PACKAGE

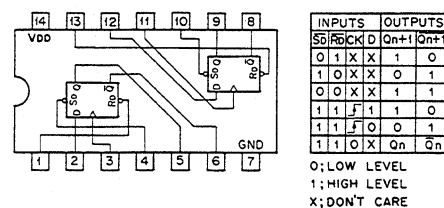
C-MOS 2-INPUT NOR GATE

- TOP VIEW -



SN74HC74ANS (TI) FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
- TOP VIEW -

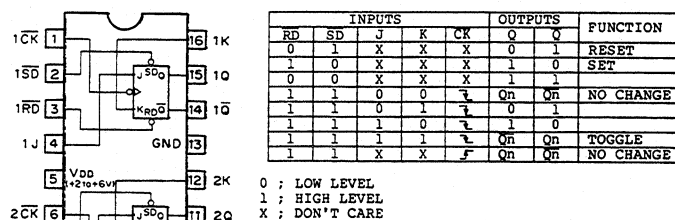


NOTE :

TYPE	V <sub>cc</sub>
TC74HC74AF	+5V
TC74AC74 TYPE	+2 to +5.5V
74ACT74 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

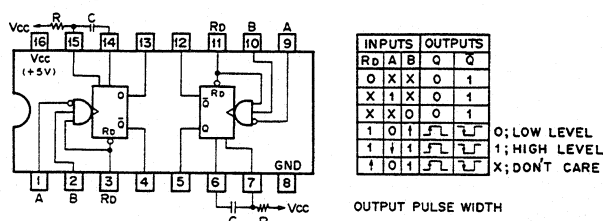
SN74HC76NS (TI) FLAT PACKAGE

C-MOS DUAL J-K FLIP FLOP WITH DIRECT SET/RESET  
- TOP VIEW -



SN74LS123NS (TI) FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET  
- TOP VIEW -



OUTPUT PULSE WIDTH

$$T_w = 0.28 \left( 1 + \frac{R}{R_1} \right) CR$$

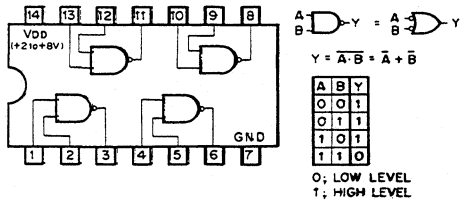
$$T_w = 0.33 \left( 1 + \frac{R}{R_1} \right) CR$$

$$T_w = 0.25 \left( 1 + \frac{R}{R_1} \right) CR$$

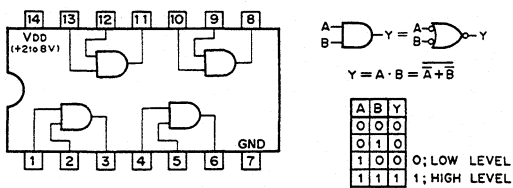
$$T_w = 0.29 \left( 1 + \frac{R}{R_1} \right) CR$$

$$T_w = 0.45 CR$$

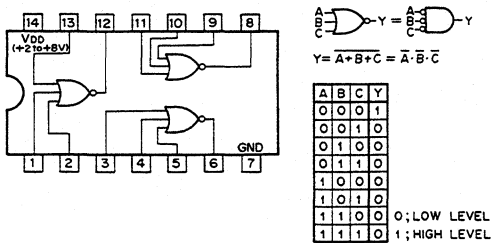
## TC40H000F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE  
- TOP VIEW -

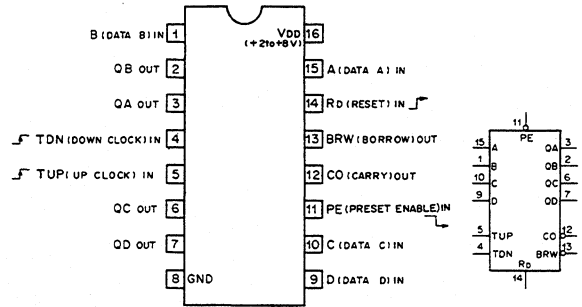
## TC40H008F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT POSITIVE-AND GATE  
- TOP VIEW -

## TC40H027F (TOSHIBA) FLAT PACKAGE

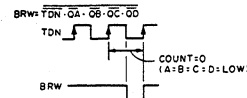
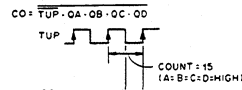
C-MOS 3-INPUT POSITIVE-NOR GATE  
- TOP VIEW -

## TC40H193F (TOSHIBA) FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT UP/DOWN COUNTER  
- TOP VIEW -

CONTROL INPUTS					MODE	
Rd	PE	TUP	TDN			
1	X	X	X		RESET TO ZERO	
0	0	X	X		PRESET	
0	1	1	1		UP COUNT	
0	1	1	0		DOWN COUNT	
0	1	1	1		NO COUNT	

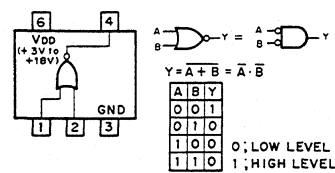
0; LOW LEVEL  
1; HIGH LEVEL  
X; DON'T CARE.



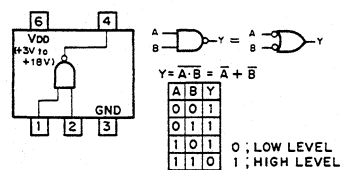
COUNT	OUTPUTS				
	QD	QC	QB	QA	
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

UP COUNT  
DOWN COUNT

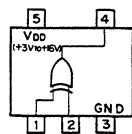
## TC4S01F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NOR GATE  
- TOP VIEW -

## TC4S11F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE  
- TOP VIEW -

## TC4S30F (TOSHIBA) FLAT PACKAGE

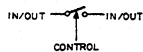
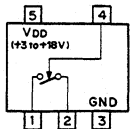
C-MOS EXCLUSIVE OR GATE  
- TOP VIEW -

$$Y = \bar{A} \cdot B + A \cdot \bar{B}$$

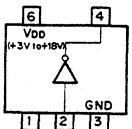
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0: LOW LEVEL  
1: HIGH LEVEL

## TC4S66F (TOSHIBA)

C-MOS BILATERAL ANALOG SWITCH  
- TOP VIEW -

CONTROL	SWITCH
0	OFF
1	ON

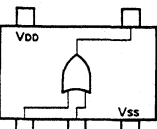
0: LOW LEVEL  
1: HIGH LEVELTC4S69F (TOSHIBA) FLAT PACKAGE  
TC4SU69F (TOSHIBA) FLAT PACKAGEC-MOS INVERTER BUFFER  
- TOP VIEW -

$$Y = \bar{A}$$

A	Y
0	1
1	0

0: LOW LEVEL  
1: HIGH LEVEL

## TC4S71F (TOSHIBA) FLAT PACKAGE

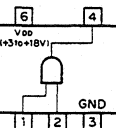
C-MOS 2-INPUT OR GATE  
- TOP VIEW -

$$Y = A + B = \bar{A} \cdot \bar{B}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

## TC4S81F (TOSHIBA) FLAT PACKAGE

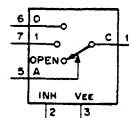
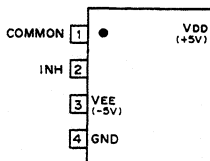
C-MOS 2-INPUT AND GATE  
- TOP VIEW -

$$Y = A \cdot B = \bar{A} + \bar{B}$$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

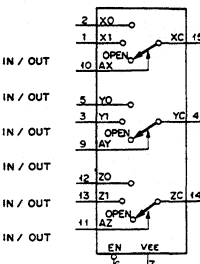
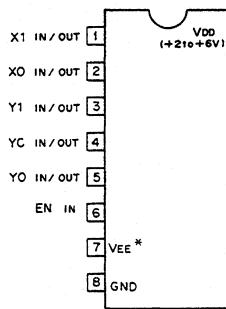
## TC4W53F (TOSHIBA) FLAT PACKAGE

C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -

CONT. INPUT	ON CHANNEL
INH	A
0	0
0	1
1	X

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

## TC74HC4053AF (TOSHIBA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -V<sub>EE</sub>\*: V<sub>DD</sub> - V<sub>EE</sub> + 3V to 12V  
V<sub>EE</sub> ≤ GND

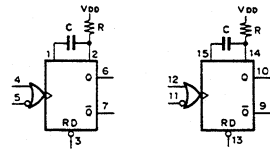
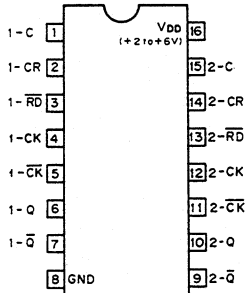
CONT. INPUTS	ON CHANNEL
EN	A (X <sub>0</sub> , Y <sub>0</sub> )
0	0
0	1
1	X

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE.

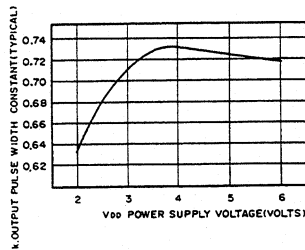


## TC74HC4538AF (TOSHIBA) FLAT PACKAGE

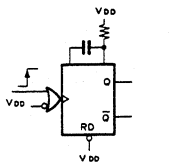
C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR  
- TOP VIEW -



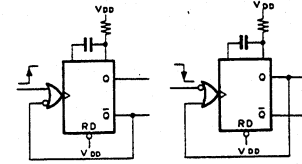
$$\text{OUTPUT PULSE WIDTH} = k \cdot C \cdot R$$



RETRIGGERABLE M.M.V

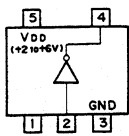


NON-RETRIGGERABLE M.M.V



## TC7S04F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER  
- TOP VIEW -



$$A \rightarrow Y = A \rightarrow Y$$

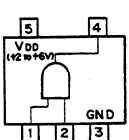
$$Y = \bar{A}$$

A	Y
0	1
1	0

0; LOW LEVEL  
1; HIGH LEVEL

## TC7S08F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT AND GATE  
- TOP VIEW -



$$A \rightarrow B \rightarrow Y = A \cdot B$$

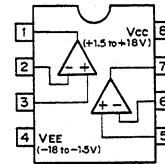
$$Y = A \cdot B = \overline{A + B}$$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0; LOW LEVEL  
1; HIGH LEVEL

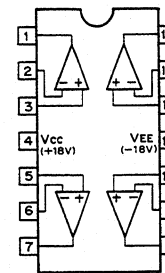
## TL062CPS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
(JFET INPUT)  
- TOP VIEW -



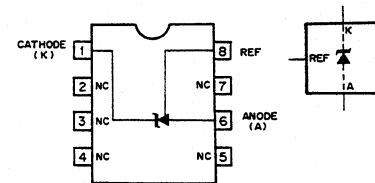
## TL064CNS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
(J FET-INPUT)  
- TOP VIEW -



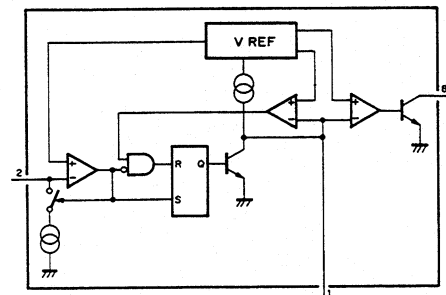
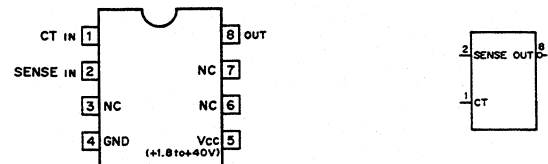
## TL431CPS (TI) FLAT PACKAGE

ADJUSTABLE PRECISION SHUNT REGULATOR  
- TOP VIEW -

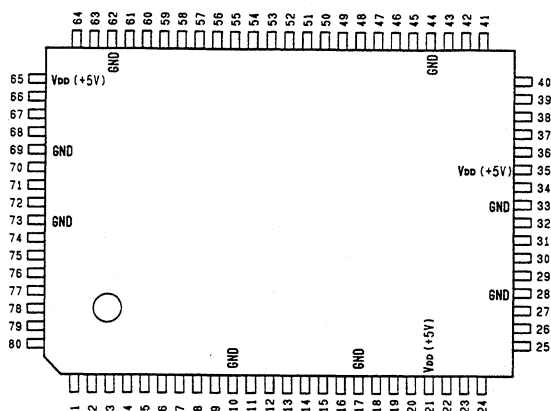


## TL7700CPS (TI) FLAT PACKAGE

VARIABLE SUPPLY VOLTAGE SUPERVISOR  
- TOP VIEW -



## UPC2372GF-3B9 (NEC) FLAT PACKAGE

3-CH PROCESS AMP & AGC  
- TOP VIEW -

(VDD = +5V)

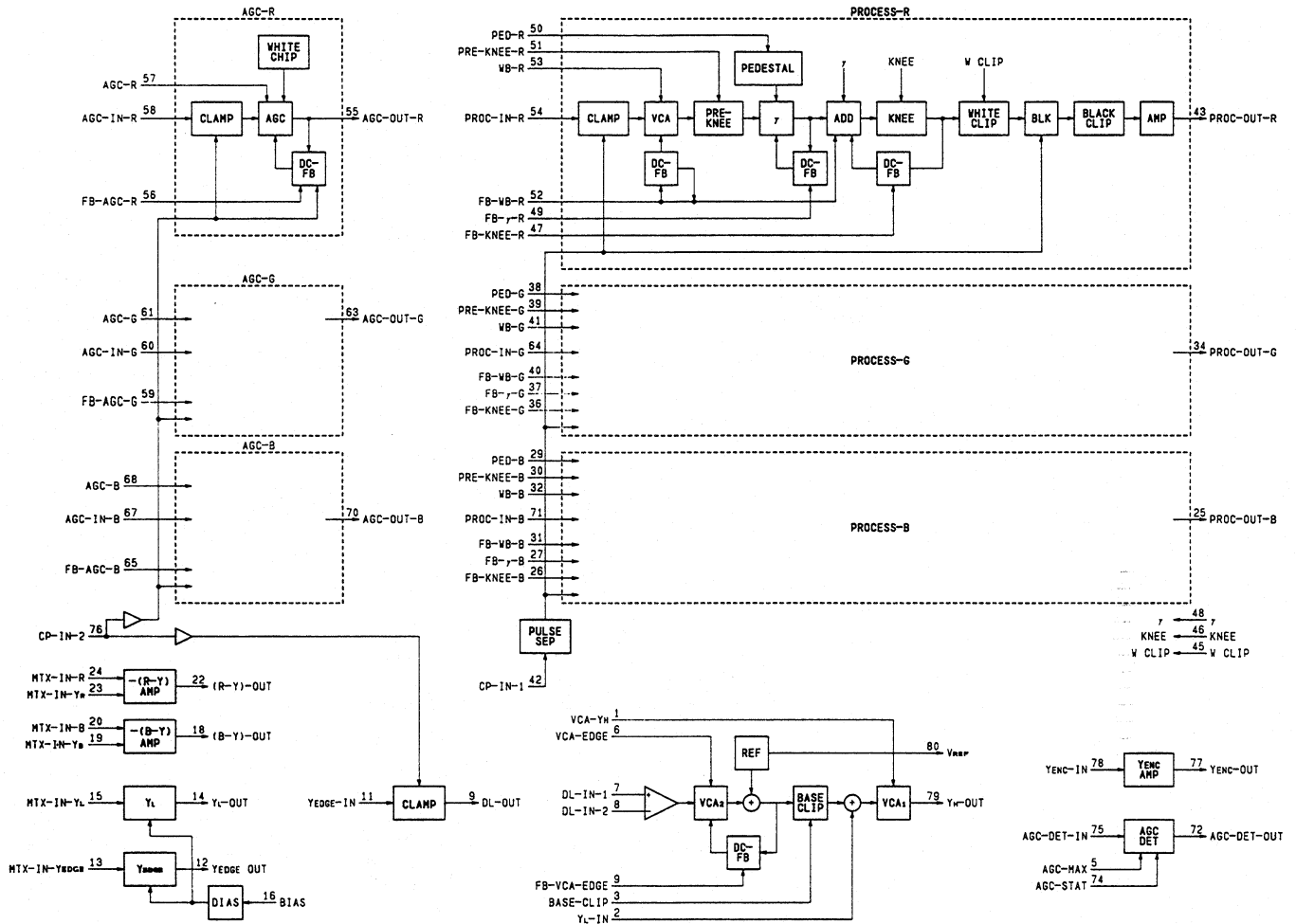
PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	I	VCA-YH	21	-	VDD	41	I	WB-G	61	I	AGC-G
2	I	YL-IN	22	O	(R-Y)-OUT	42	I	CP-IN-1	62	-	GND
3	I	BASECLIP	23	I	MTX-IN-YR	43	O	PROC-OUT-R	63	O	AGC-OUT-G
4	I	FB-VCA-EDGE	24	I	MTX-IN-YR	44	-	GND	64	I	PROC-IN-G
5	I	AGC-MAX	25	O	PROC-OUT-B	45	I	WCLIP	65	I	FB-AGC-B
6	I	VCA-EDGE	26	I	FB-KNEE-B	46	I	KNEE	66	-	VDD
7	I	DL-IN1	27	I	FB-Y-B	47	I	FB-KNEE-R	67	I	AGC-IN-B
8	I	DL-IN2	28	-	GND	48	I	Y	68	I	AGC-B
9	O	DL-OUT	29	I	PED-B	49	I	FB-Y-R	69	-	GND
10	-	GND	30	I	Pre-KNEE-B	50	I	PED-R	70	O	AGC-OUT-B
11	I	YEDGE IN	31	I	FB-WB-B	51	I	Pre-KNEE-R	71	I	PROC-IN-B
12	O	YEDGE OUT	32	I	WB-B	52	I	FB-WB-R	72	O	AGC-DET-OUT
13	I	MTX-IN-YEDGE	33	-	GND	53	I	WB-R	73	-	GND
14	O	YL-OUT	34	O	PROC-OUT-G	54	I	PROC-IN-R	74	I	AGC STAT
15	I	MIX-IN-YL	35	-	VDD	55	O	AGC-OUT-R	75	I	AGC-DET-IN
16	O	BIAS	36	I	FB-KNEE-G	56	I	FB-AGC-R	76	I	CPIN-2
17	-	GND	37	I	FB-Y-G	57	I	AGC-R	77	O	YENC-OUT
18	O	(B-Y)-OUT	38	I	PED-G	58	I	AGC-IN-R	78	I	YENC-IN
19	I	MTX-IN-YB	39	I	Pre-KNEE-G	59	I	FB-AGC-G	79	O	YH-OUT
20	I	MTX-IN-B	40	I	FB-WB-G	60	I	AGC-IN-G	80	O	VREF

## INPUT

AGC STAT : AGC THRESHOLD CONTROL  
 AGC-B : AGC GAIN CONTROL FOR B-CH  
 AGC-DET-IN : AGC DETECT  
 AGC-G : AGC GAIN CONTROL FOR G-CH  
 AGC-IN-B : B-CH AGC  
 AGC-IN-G : G-CH AGC  
 AGC-IN-R : R-CH AGC  
 AGC-MAX : AGC MAX GAIN CONTROL  
 AGC-R : AGC GAIN CONTROL FOR R-CH  
 BASECLIP : BASE CLIP QUANTITY CONTROL FOR HORIZONTAL  
 EDGE COMPENSATION SIGNAL  
 CP-IN-1 : CLAMP PULSE/BLANKING PULSE  
 CP-IN-2 : CLAMP PULSE FOR AGC CIRCUIT  
 DL-IN1 : NON-INVERT INPUT FOR HORIZONTAL EDGE  
 COMPENSATION DIFFERENTIAL AMPLIFIER  
 DL-IN2 : INVERT INPUT FOR HORIZONTAL EDGE  
 COMPENSATION DIFFERENTIAL AMPLIFIER  
 FB-AGC-B : DC FEEDBACK FOR B-CH AGC  
 FB-AGC-G : DC FEEDBACK FOR G-CH AGC  
 FB-AGC-R : DC FEEDBACK FOR R-CH AGC  
 FB-KNEE-B : DC FEEDBACK FOR B-CH KNEE  
 FB-KNEE-G : DC FEEDBACK FOR G-CH KNEE  
 FB-KNEE-R : DC FEEDBACK FOR R-CH KNEE  
 FB-VCA-EDGE : CAPACITOR FOR DC FEEDBACK  
 FB-WB-B : DC FEEDBACK FOR B-CH WHITE BALANCE  
 FB-WB-G : DC FEEDBACK FOR G-CH WHITE BALANCE  
 FB-WB-R : DC FEEDBACK FOR R-CH WHITE BALANCE  
 FB-Y-B : DC FEEDBACK FOR B-CH Y  
 FB-Y-G : DC FEEDBACK FOR G-CH Y  
 FB-Y-R : DC FEEDBACK FOR R-CH Y  
 KNEE : KNEE CONTROL  
 MTX-IN-B : B-Y SIGNAL MATRIX INPUT  
 MTX-IN-R : R-Y SIGNAL MATRIX INPUT  
 MTX-IN-YB : B-Y SIGNAL MATRIX INPUT  
 MTX-IN-YEDGE : LUMINANCE SIGNAL MATRIX FOR HORIZONTAL  
 EDGE COMPENSATION  
 MTX-IN-YL : LUMINANCE SIGNAL MATRIX  
 MTX-IN-YR : R-Y SIGNAL MATRIX  
 PED-B : PEDESTAL CONTROL FOR B-CH  
 PED-G : PEDESTAL CONTROL FOR G-CH  
 PED-R : PEDESTAL CONTROL FOR R-CH  
 Pre-KNEE-B : Pre-KNEE CONTROL FOR B-CH  
 Pre-KNEE-G : Pre-KNEE CONTROL FOR G-CH  
 Pre-KNEE-R : Pre-KNEE CONTROL FOR R-CH  
 PROC-IN-B : B-CH PROCESS  
 PROC-IN-G : G-CH PROCESS  
 PROC-IN-R : R-CH PROCESS  
 VCA-EDGE : OUTPUT LEVEL CONTROL FOR HORIZONTAL EDGE  
 COMPENSATED LUMINANCE SIGNAL  
 VCA-YH : HORIZONTAL EDGE COMPENSATED OUTPUT  
 LEVEL CONTROL  
 WB-B : WHITE BALANCE CONTROL FOR B-CH  
 WB-G : WHITE BALANCE CONTROL FOR G-CH  
 WB-R : WHITE BALANCE CONTROL FOR R-CH  
 WCLIP : WHITE CLIP LEVEL CONTROL  
 YEDGE IN : LUMINANCE SIGNAL FOR HORIZONTAL  
 EDGE COMPENSATION  
 YENC-IN : LUMINANCE SIGNAL AMPLIFIER  
 YL-IN : INPUT FOR LUMINANCE SIGNAL  
 Y : Y CONTROL

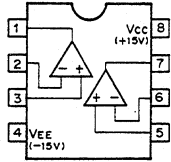
## OUTPUT

AGC-DET-OUT : AGC DETECT  
 AGC-OUT-B : B-CH AGC  
 AGC-OUT-G : G-CH AGC  
 AGC-OUT-R : R-CH AGC  
 BIAS : BIAS  
 DL-OUT : HORIZONTAL EDGE COMPENSATION SIGNAL FOR  
 LUMINANCE SIGNAL  
 PROC-OUT-B : B-CH PROCESS  
 PROC-OUT-G : G-CH PROCESS  
 PROC-OUT-R : R-CH PROCESS  
 VREF : VREF (2.0V)  
 YEDGE-OUT : MATRIX OF LUMINANCE SIGNAL FOR HORIZONTAL  
 EDGE COMPENSATION  
 YENC-OUT : LUMINANCE SIGNAL AMPLIFIER  
 YH-OUT : OUTPUT OF APARTURE COMPENSATION CIRCUIT  
 YL-OUT : LUMINANCE SIGNAL MATRIX OUTPUT  
 (B-Y)-OUT : B-Y SIGNAL MATRIX  
 (R-Y)-OUT : R-Y SIGNAL MATRIX



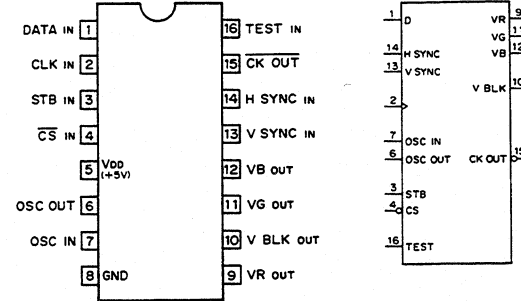
## UPC4572G2 (NEC) FLAT PACKAGE

OPERATIONAL AMPLIFIER (WIDE BAND, LOW NOISE)  
- TOP VIEW -

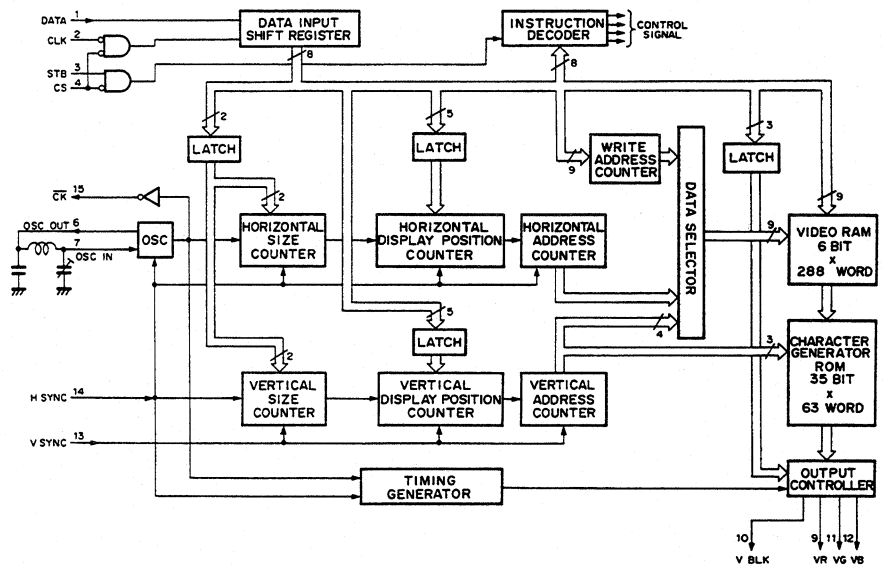


## UPD6142G-101 (NEC) FLAT PACKAGE

C-MOS 8-BIT SERIAL INPUT CHARACTER DISPLAY  
- TOP VIEW -



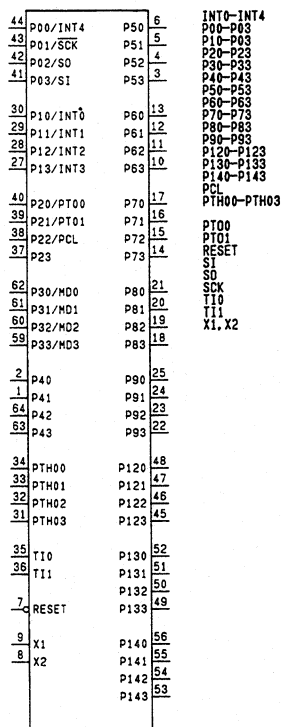
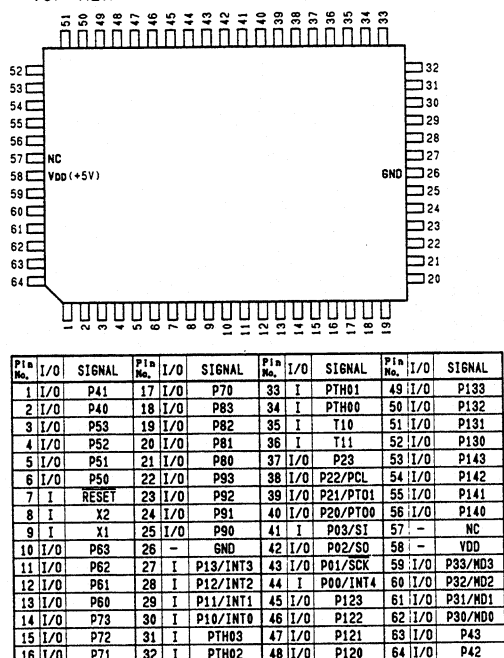
D; DATA INPUT  
CK OUT; EQUAL TO OUTPUT OF OSC OUT  
CLK; CLOCK INPUT  
CS; CHIP SELECT INPUT  
H SYNC; H SYNC INPUT  
OSC IN, OUT; EXTERNAL TERMINAL FOR OSC  
STB; STROBE INPUT  
TEST; TEST CLOCK INPUT  
VB; BLUE CHARACTER DATA OUTPUT  
V BLK; V BLANKING OUTPUT  
VG; GREEN CHARACTER DATA OUTPUT  
VR; RED CHARACTER DATA OUTPUT  
V SYNC; V SYNC INPUT



## UPD75106GF-734-3BE (NEC) FLAT PACKAGE

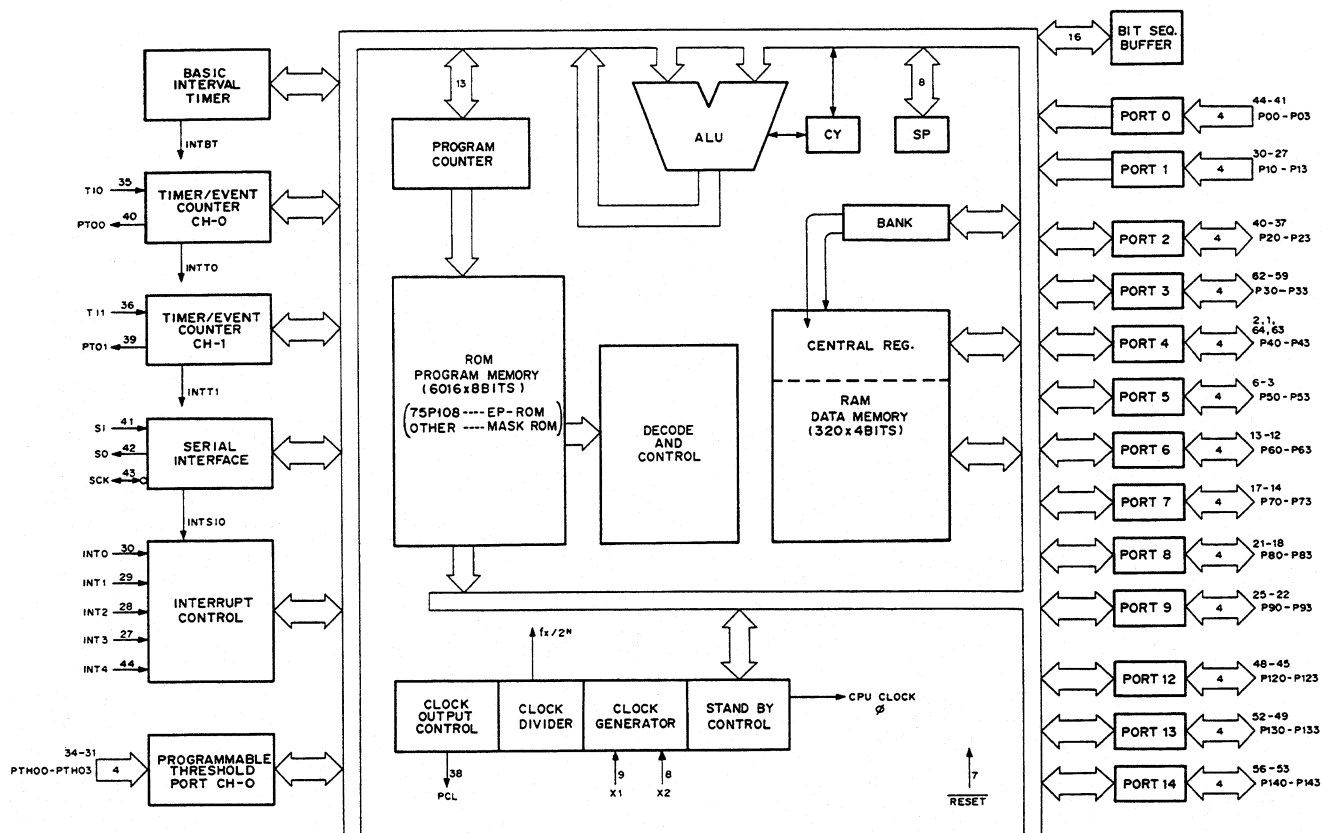
CMOS 1 CHIP 4-BIT MICROCOMPUTER

- TOP VIEW -

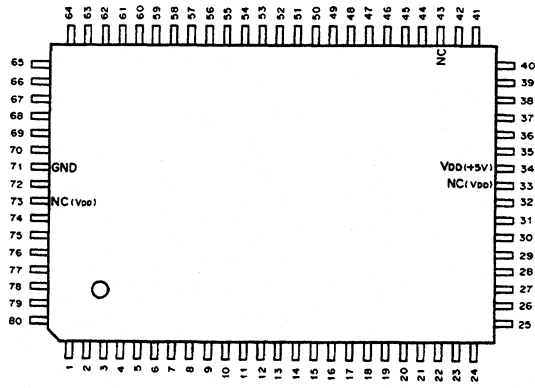


INT0-INT4  
P00-P03  
P10-P03  
P20-P23  
P30-P33  
P40-P43  
P50-P53  
P60-P63  
P70-P73  
P80-P83  
P90-P93  
P120-P123  
P130-P133  
P140-P143  
PCL  
PTH00-PTH03  
PT00  
PT01  
RESET  
SI  
SO  
SCK  
T10  
T11  
X1, X2

INTERRUPT INPUT  
4-BIT INPUT PORT (PORT0)  
4-BIT INPUT PORT (PORT1)  
4-BIT I/O PORT (PORT2)  
4-BIT I/O PORT (PORT3), PROGRAMMABLE  
4-BIT I/O PORT (PORT4)  
4-BIT I/O PORT (PORT5)  
4-BIT I/O PORT (PORT6), PROGRAMMABLE  
4-BIT I/O PORT (PORT7)  
4-BIT I/O PORT (PORT8)  
4-BIT I/O PORT (PORT9)  
4-BIT I/O PORT (PORT12), OPEN DRAIN  
4-BIT I/O PORT (PORT13), OPEN DRAIN  
4-BIT I/O PORT (PORT14), OPEN DRAIN  
CLOCK OUTPUT, PROGRAMMABLE  
THRESHOLD 4-BIT ANALOG INPUT PORT, PROGRAMMABLE  
TIMER/EVENT COUNTER OUTPUT (CH-1)  
TIMER/EVENT COUNTER OUTPUT (CH-2)  
SYSTEM RESET INPUT  
SERIAL INTERFACE DATA INPUT  
SERIAL INTERFACE DATA OUTPUT  
SERIAL INTERFACE CLOCK INPUT/OUTPUT  
TIMER/EVENT COUNTER CLOCK INPUT (CH-0)  
TIMER/EVENT COUNTER CLOCK INPUT (CH-1)  
CONNECTED CRYSTAL FOR SYSTEM CLOCK GENERATE



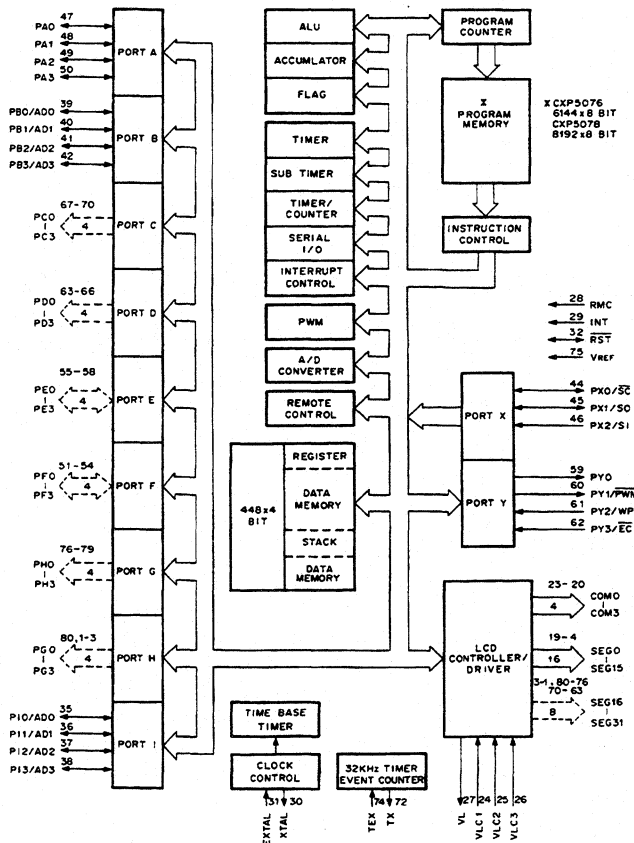
CXP5078H (SONY) FLAT PACKAGE  
C-MOS 4-BIT MICROCOMPUTER  
- TOP VIEW -



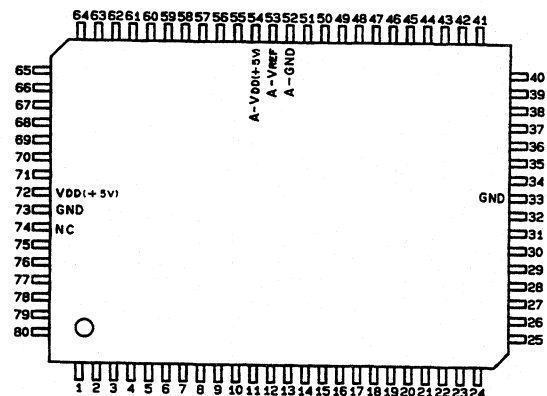
PIN ASSIGNMENT (VDD - +5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	PG1/SEG18	21	O	COM2	41	I/O	PB2/AD6	61	I	PY2/WP
2	O	PG2/SEG17	22	O	COM1	42	I/O	PB3/AD7	62	I	PY3/EC
3	O	PG3/SEG16	23	O	COM0	43	-	-	63	I/O	PD0/SEG31
4	O	SEG15	24	I	VLC1	44	I/O	PX0/SC	64	I/O	PD1/SEG30
5	O	SEG14	25	I	VLC2	45	I/O	PX1/SO	65	I/O	PD2/SEG29
6	O	SEG13	26	I	VLC3	46	I	PX2/SI	66	I/O	PD3/SEG28
7	O	SEG12	27	O	VL	47	I/O	PA0	67	I/O	PC0/SEG27
8	O	SEG11	28	I	RMC	48	I/O	PA1	68	I/O	PC1/SEG26
9	O	SEG10	29	I	INT	49	I/O	PA2	69	I/O	PC2/SEG25
10	O	SEG9	30	O	XTAL	50	I/O	PA3	70	I/O	PC3/SEG24
11	O	SEG8	31	I	EXTAL	51	I/O	PF0	71	-	GND
12	O	SEG7	32	I/O	RST	52	I/O	PF1	72	O	TX
13	O	SEG6	33	-	-	53	I/O	PF2	73	-	-
14	O	SEG5	34	-	VDD	54	I/O	PF3	74	I	TEX
15	O	SEG4	35	I/O	PI0/AD0	55	I/O	PE0	75	I	VREF
16	O	SEG3	36	I/O	PI1/AD1	56	I/O	PE1	76	O	PH0/SEG23
17	O	SEG2	37	I/O	PI2/AD2	57	I/O	PE2	77	O	PH1/SEG22
18	O	SEG1	38	I/O	PI3/AD3	58	I/O	PE3	78	O	PH2/SEG21
19	O	SEG0	39	I/O	PB0/AD4	59	O	PY0	79	O	PH3/SEG20
20	O	COM3	40	I/O	PB1/AD5	60	O	PY1/PWM	80	O	PG0/SEG19

SYMBOL	FUNCTION
AD0 - AD7	A/D CONVERT DATA INPUTS
EC	EVENT COUNT CLOCK INPUT
EXTAL	CLOCK INPUT
INT	INTERRUPT INPUT
RMC	REMOTE CONTROL INPUT
SC	SERIAL CLOCK INPUT
SI	SERIAL INPUT
TEX	32KHz TIMER/COUNTER CLOCK INPUT
VLC1 - VLC3	POWER FOR LCD
VREF	REFERENCE VOLTAGE INPUT
WP	WAKE UP INPUT
COM0 - COM3	COMMON OUTPUTS
PC0 - PC3	PORT C
PD0 - PD3	PORT D
PG0 - PG3	PORT G
PH0 - PH3	PORT H
PWM	PWM GENERATOR OUTPUT
SEG0 - SEG31	SEGMENT OUTPUTS
SO	SERIAL OUTPUT
TX	32KHz TIMER/COUNTER CLOCK OUTPUT
VL	CUT OFF
XTAL	CLOCK OUTPUT
PA0 - PA3	PORT A
PB0 - PB3	PORT B
PE0 - PE3	PORT E
PF0 - PF3	PORT F
PI0 - PI3	PORT I
PX0 - PX3	PORT X
PY0 - PY3	PORT Y
RST	RESET



CXP80116-Q (SONY)  
C-MOS 8-BIT MICROCOMPUTER  
- TOP VIEW -



## CXP80116-Q

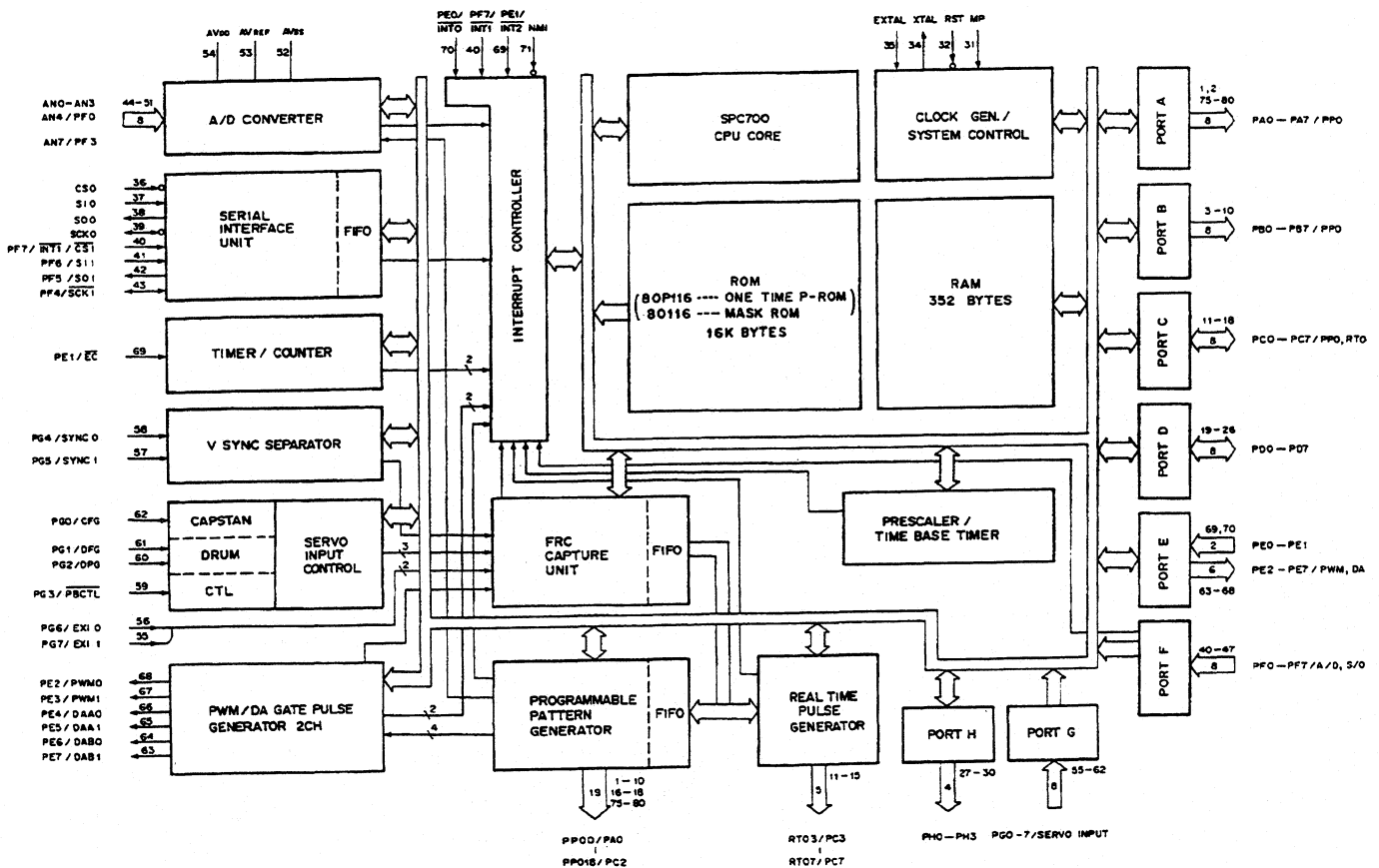
(V<sub>DD</sub> = +5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	PA1/PP01/A9	41	I	PF6/S11
2	O	PA0/PP00/A8	42	I/O	PF5/S01
3	O	PB7/PP015/A7	43	I/O	PF4/SCK1
4	O	PB6/PP014/A6	44	I	PF3/AN7
5	O	PB5/PP013/A5	45	I	PF2/AN6
6	O	PB4/PP012/A4	46	I	PF1/AN5
7	O	PB3/PP011/A3	47	I	PF0/AN4
8	O	PB2/PP010/A2	48	I	AN3
9	O	PB1/PP09/A1	49	I	AN2
10	O	PB0/PP08/A0	50	I	AN1
11	I/O, I/O	PC7/RT07/D7	51	I	AN0
12	I/O, I/O	PC6/RT06/D6	52	—	A-GND
13	I/O, I/O	PC5/RT05/D5	53	—	A-VREF
14	I/O, I/O	PC4/RT04/D4	54	—	A-VDD
15	I/O, I/O	PC3/RT03/D3	55	I	PG7/EX11
16	I/O, I/O	PC2/PP018/D2	56	I	PG6/EX10
17	I/O, I/O	PC1/PP017/D1	57	I	PG5/SYNC1
18	I/O, I/O	PC0/PP016/D0	58	I	PG4/SYNC0
19	I/O, I/O	PD7/HALT	59	I	PG3/PBCTL
20	I/O, I/O	PD6/BAK	60	I	PG2/DPG
21	I/O, I/O	PD5/BAK	61	I	PG1/DFG
22	I/O, I/O	PD4/SYNC	62	I	PG0/CFG
23	I/O, I/O	PD3/C	63	O	PE7/DAB1
24	I/O, I/O	PD2/R/W	64	O	PE6/DAB0
25	I/O, I/O	PD1/WR	65	O	PE5/DAA1
26	I/O, I/O	PD0/RD	66	O	PE4/DAA0
27	O	PH3	67	O	PE3/PWM1
28	O	PH2	68	O	PE2/PWM0
29	O	PH1	69	I	PE1/EC/INT2
30	O	PH0	70	I	PE0/INT0
31	I	MP	71	I	NMI
32	I/O	RST	72	—	VDD
33	—	GND	73	—	GND
34	O	XTAL	74	—	NC
35	I	EXTAL	75	O	PA7/PP07/A15
36	I	CS0	76	O	PA6/PP06/A14
37	I	SI0	77	O	PA5/PP05/A13
38	O	SO0	78	O	PA4/PP04/A12
39	I/O	SCK0	79	O	PA3/PP03/A11
40	I	PF7/INT1/CS1	80	O	PA2/PP02/A10

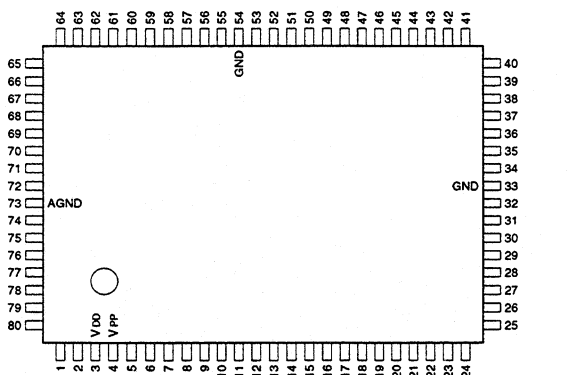
18	PC0 / PP016 / D0	PB0 / PP08 / A0	10	INPUT	AN0 - AN7	: ANALOG INPUTS
17	PC1 / PP017 / D1	PB1 / PP09 / A1	9	CFG	: BUS REQUEST INPUT	
16	PC2 / PP018 / D2	PB2 / PP10 / A2	8	CFG	: CAPSTAN FG INPUT	
15	PC3 / RT03 / D3	PB3 / PP011 / A3	7	DFG	: CHIP SELECT INPUTS	
14	PC4 / RT04 / D4	PB4 / PP012 / A4	6	DFG	: DRUM FG INPUT	
13	PC5 / RT05 / D5	PB5 / PP013 / A5	5	DFG	: DRUM PG INPUT	
12	PC6 / RT06 / D6	PB6 / PP014 / A6	4	EC	: EVENT INPUT	
11	PC7 / RT07 / D7	PB7 / PP15 / A7	3	EX10.1	: EXTERNAL INPUTS	
51	AN0	PA1 / PP01 / A9	2	EXTAL	: SYSTEM CLOCK GENERATE JOINT	
50	AN1	PA2 / PP02 / A10	1	HALT	: CPU STOP INPUT	
49	AN2	PA3 / PP03 / A11	80	INT0 - INT2	: EXTERNAL OFFERING INPUTS	
48	AN3	PA4 / PP04 / A12	79	MP	: MICRO PROSESSOR MODE INPUT	
47	PF0 / AN4	PA5 / PP05 / A13	78	NMI	: NONMASKABLE OFFERING INPUT	
46	PF1 / AN5	PA6 / PP06 / A14	77	PBCTL	: PB CTL PULSE INPUT	
45	PF2 / AN6	PA7 / PP07 / A15	76	PE0.1	: PORT E INPUTS	
44	PF3 / AN7		75	PF0 - PF7	: PORT F INPUTS	
52	PG0 / CFG	PE2 / PWM0	68	PG0 - PG7	: PORT G INPUTS	
51	PG1 / DFG	PE3 / PWM1	67	SI0.1	: SERIAL DATA INPUTS	
50	PG2 / DFG	PE4 / DAA0	66	SYNC0.1	: COMPOSITE SYNC INPUTS	
49	PG3 / PBCTL	PE5 / DAA1	65			
48	PG4 / SYNC 0	PE6 / DAB0	64			
47	PG5 / SYNC 1	PE7 / DAB1	63			
46	PG6 / EX10		62			
45	PG7 / EX11		61			
26	PD0 / RD	PH0	30			
25	PD1 / WR	PH1	29			
24	PD2 / R / W	PH2	28			
23	PD3 / C	PH3	27			
22	PD4 / SYNC	MP	31			
21	PD5 / BAK	RST	32			
20	PD6 / BAK	SO0	33			
19	PD7 / HALT	SCK0	34			
35	EXTAL	PF5 / S01	42			
36	CS0	PF4 / SCK1	43			
37	SI0	XTAL	34			
40	PF7 / INT1 / CS1					
41	PF6 / S11					
49	PE1 / EC / INT2					
70	PE0 / INT0					
71	NMI					

## INPUT/OUTPUT

D0 - D7 : DATA BUS  
PC0 - PC7 : PORT C  
PD0 - PD7 : PORT D  
RST : RESET  
SCK0.1 : SERIAL CLOCK



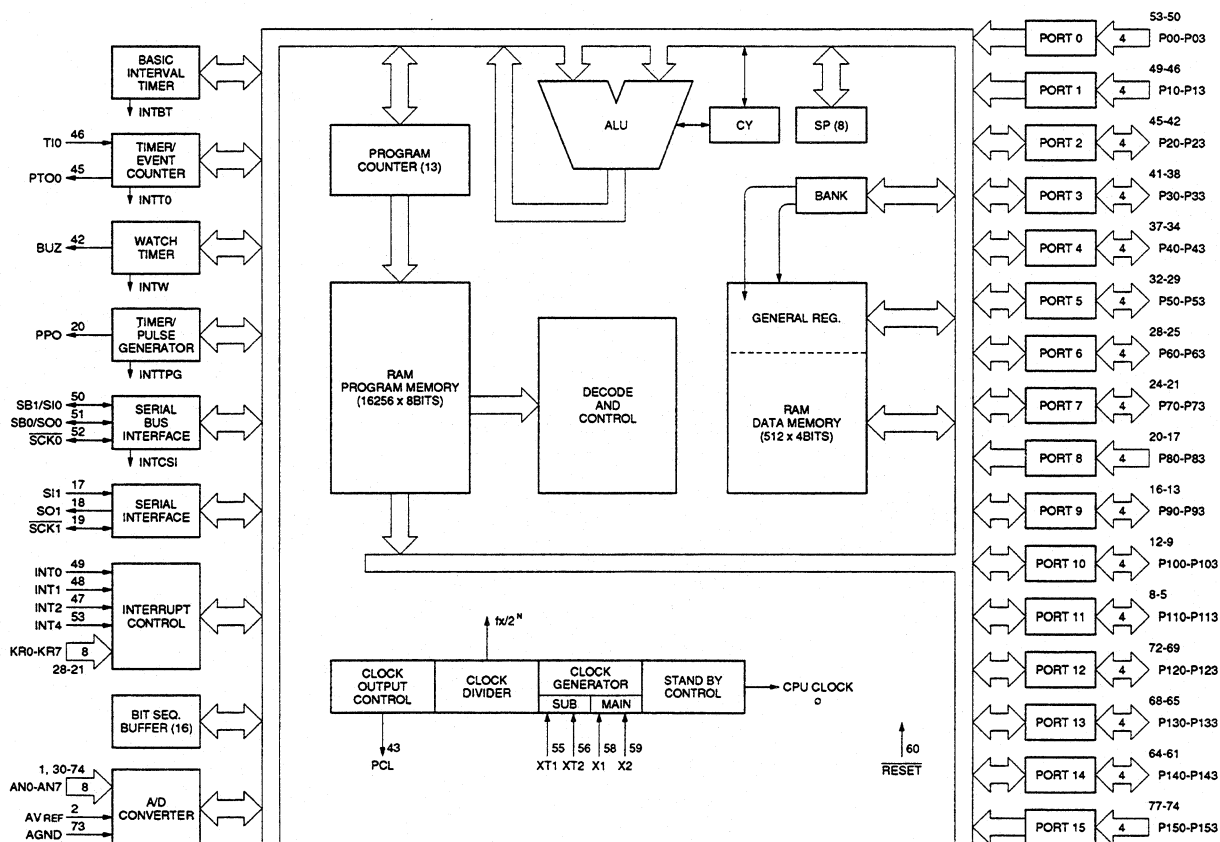
UPD75516GF (NEC)  
C-MOS 4-BIT MICROCOMPUTER  
- TOP VIEW -



(VDD = +5V, VPP = FOR PROGRAMMING)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	AN0	21	I/O	P73/KR7	41	I/O	P30	61	I/O	P143
2	I	AV REF	22	I/O	P72/KR6	42	I/O	P23/BUZ	62	I/O	P142
3	-	VDD	23	I/O	P71/KR5	43	I/O	P22/PCL	63	I/O	P141
4	-	VPP	24	I/O	P70/KR4	44	I/O	P21	64	I/O	P140
5	I/O	P113	25	I/O	P63/KR3	45	I/O	P20/PO0	65	I/O	P133
6	I/O	P112	26	I/O	P62/KR2	46	I	P13/TI0	66	I/O	P132
7	I/O	P111	27	I/O	P61/KR1	47	I	P12/INT2	67	I/O	P131
8	I/O	P110	28	I/O	P60/KR0	48	I	P11/INT1	68	I/O	P130
9	I/O	P103	29	I/O	P53	49	I	P10/INT0	69	I/O	P123
10	I/O	P102	30	I/O	P52	50	I/O	P03/SI0/SB1	70	I/O	P122
11	I/O	P101	31	I/O	P51	51	I/O	P02/SO0/SB0	71	I/O	P121
12	I/O	P100	32	I/O	P50	52	I/O	P01/SCK0	72	I/O	P120
13	I/O	P93	33	-	GND	53	I	P00/INT4	73	-	AGND
14	I/O	P92	34	I/O	P43	54	-	GND	74	I	P153/AN7
15	I/O	P91	35	I/O	P42	55	I	XT1	75	I	P152/AN6
16	I/O	P90	36	I/O	P41	56	-	XT2	76	I	P151/AN5
17	I	P83/SI1	37	I/O	P40	57	-	IC	77	I	P150/AN4
18	I/O	P82/SO1	38	I/O	P33	58	I	X1	78	I	AN3
19	I/O	P81/SCK1	39	I/O	P32	59	I	X2	79	I	AN2
20	I/O	P80/PP0	40	I/O	P31	60	I	RESET	80	I	AN1

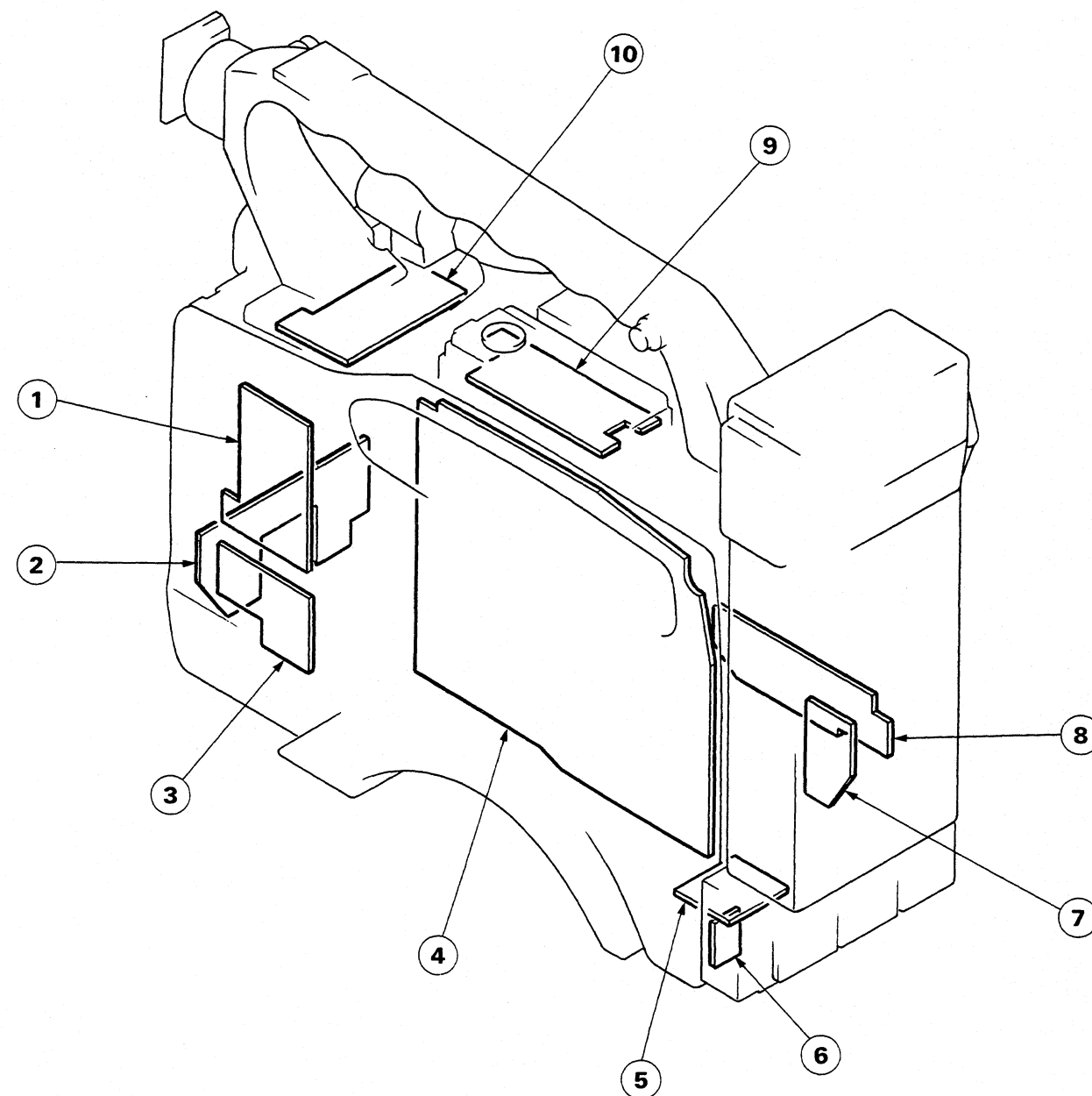
53	P00/INT4	P40	37	INPUT	
52	P01/SCK0	P41	36	AN0-AN7	: ANALOG SIGNAL FOR A/D CONVERTER
51	P02/SO0/SB0	P42	35	AV	: A/D CONVERTER REFERENCE
50	P03/SI0/SB1	P43	34	INT0, INT1, INT4	: EDGE DETECT VECTOR INTERRUPT
			33	INT2	: EDGE DETECT TESTABLE
49	P10/INT0	P50	32	KR0-KR7	: PARALLEL FALL EDGE DETECT TESTABLE
48	P11/INT1	P51	31	P00-P03	: PORT0
47	P12/INT2	P52	30	P10-P13	: PORT1
46	P13/TI0	P53	29	P80-P83	: PORT8
			28	P150-P153	: PORT15
45	P20/PTO0	P60/KR0	27	RESET	: SYSTEM RESET
44	P21	P61/KR1	26	SI0, SI1	: SERIAL DATA
43	P22/PCL	P62/KR2	25	TI0	: EVENT PULSE FOR COUNTER
42	P23/BUZ	P63/KR3	24	X1, X2	: MAIN SYSTEM CLOCK
			23	XT1, XT2	: SUB SYSTEM CLOCK
41	P30	P70/KR4	22		
40	P31	P71/KR5	21	OUTPUT	
39	P32	P72/KR6	20	BUZ	: FIXED FREQUENCY
38	P33	P73/KR7	19	PPO	: CLOCK
			18	PTO0	: TIMER PULSE GENERATOR
20	P80/PP0	P90	17	SO0, SO1	: TIME/EVENT COUNTER
19	P81/SCK1	P91	16		: SERIAL DATA
18	P82/SO1	P92	15		
17	P83/SI1	P93	14	INPUT/OUTPUT	
			13	P20-P23	: PORT2
1	AN0	P100	12	P30-P33	: PORT3 (PROGRAMMABLE)
80	AN1	P101	11	P40-P43	: PORT4
79	AN2	P102	10	P50-P53	: PORT5
78	AN3	P103	9	P60-P63	: PORT6 (PROGRAMMABLE)
			8	P70-P73	: PORT7
77	P150/AN4	P110	7	P90-P93	: PORT9
76	P151/AN5	P111	6	P100-P103	: PORT10
75	P152/AN6	P112	5	P110-P113	: PORT11
74	P153/AN7	P113	4	P120-P123	: PORT12
			3	P130-P133	: PORT13
			2	P140-P143	: PORT14
58	AV REF	P120	72	SB0, SB1	: SERIAL BUS
57	X1	P121	71	SCK0, SCK1	: SERIAL CLOCK
56	X2	P122	70		
55	XT1	P123	69	OTHER	
54	XT2	P130	68	AGND	: ANALOG GND
60	RESET	P131	67	IC	: INTERNALLY CONNECTED
57	IC	P132	66		
		P133	65		
73	AGND	P140	64		
		P141	63		
		P142	62		
		P143	61		





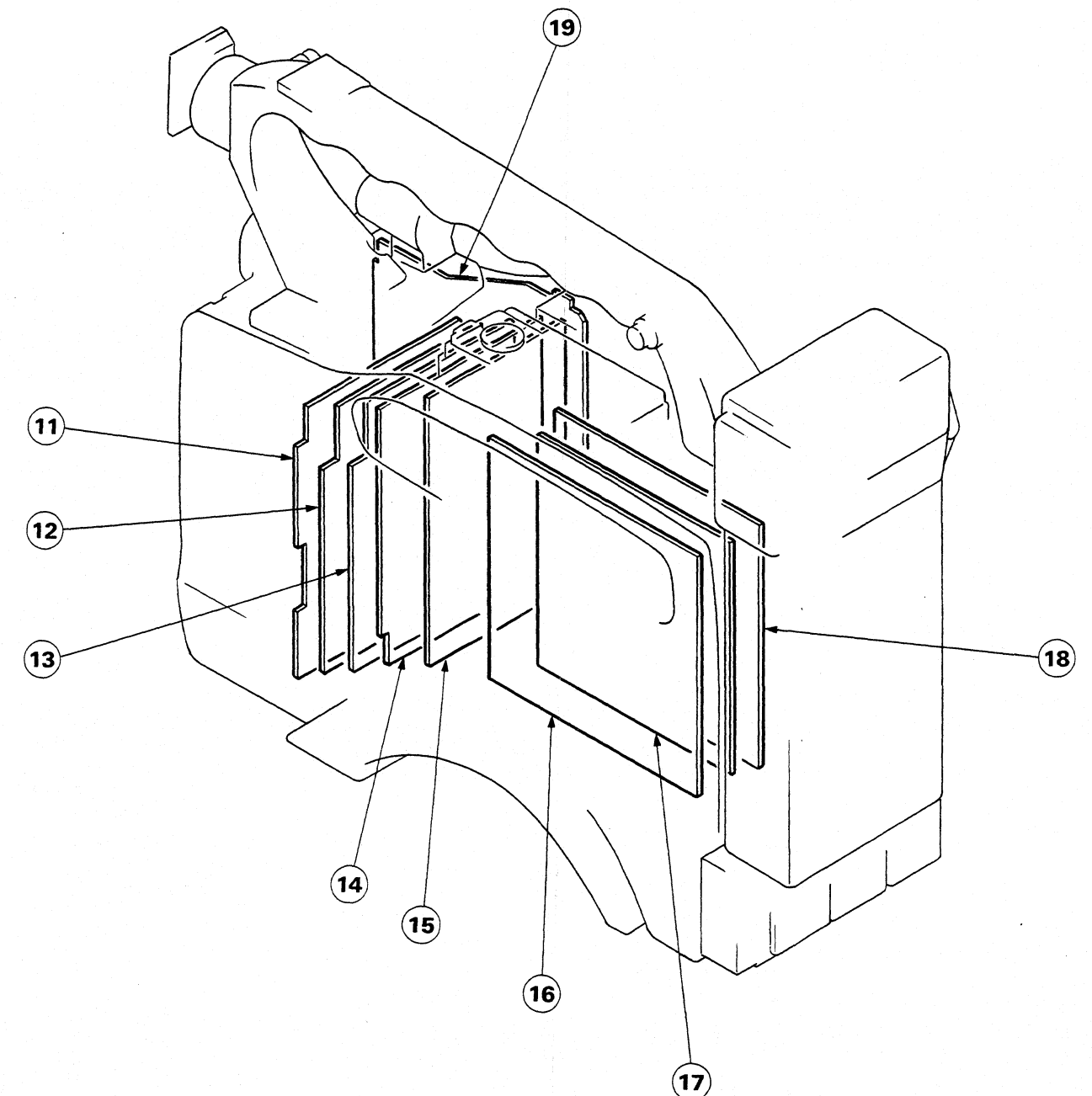
# SECTION C SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

## BOARD LAYOUT



- |                   |                |
|-------------------|----------------|
| ① SW-484 Board    | ⑥ CP-221 Board |
| ② SW-506 Board    | ⑦ CP-189 Board |
| ③ SW-485 Board    | ⑧ CP-189 Board |
| ④ FP-40/40P Board | ⑨ KY-191 Board |
| ⑤ CP-188 Board    | ⑩ SW-507 Board |

C-1



- |                     |                     |
|---------------------|---------------------|
| ⑪ RP-159/159P Board | ⑮ AU-162/162P Board |
| ⑫ IE-33/33P Board   | ⑯ CR-43/43P Board   |
| ⑬ ES-4/4P Board     | ⑰ VO-43/43P Board   |
| ⑭ AT-70 Board       | ⑱ MB-384/384P Board |
| ⑮ MB-381/381P Board |                     |

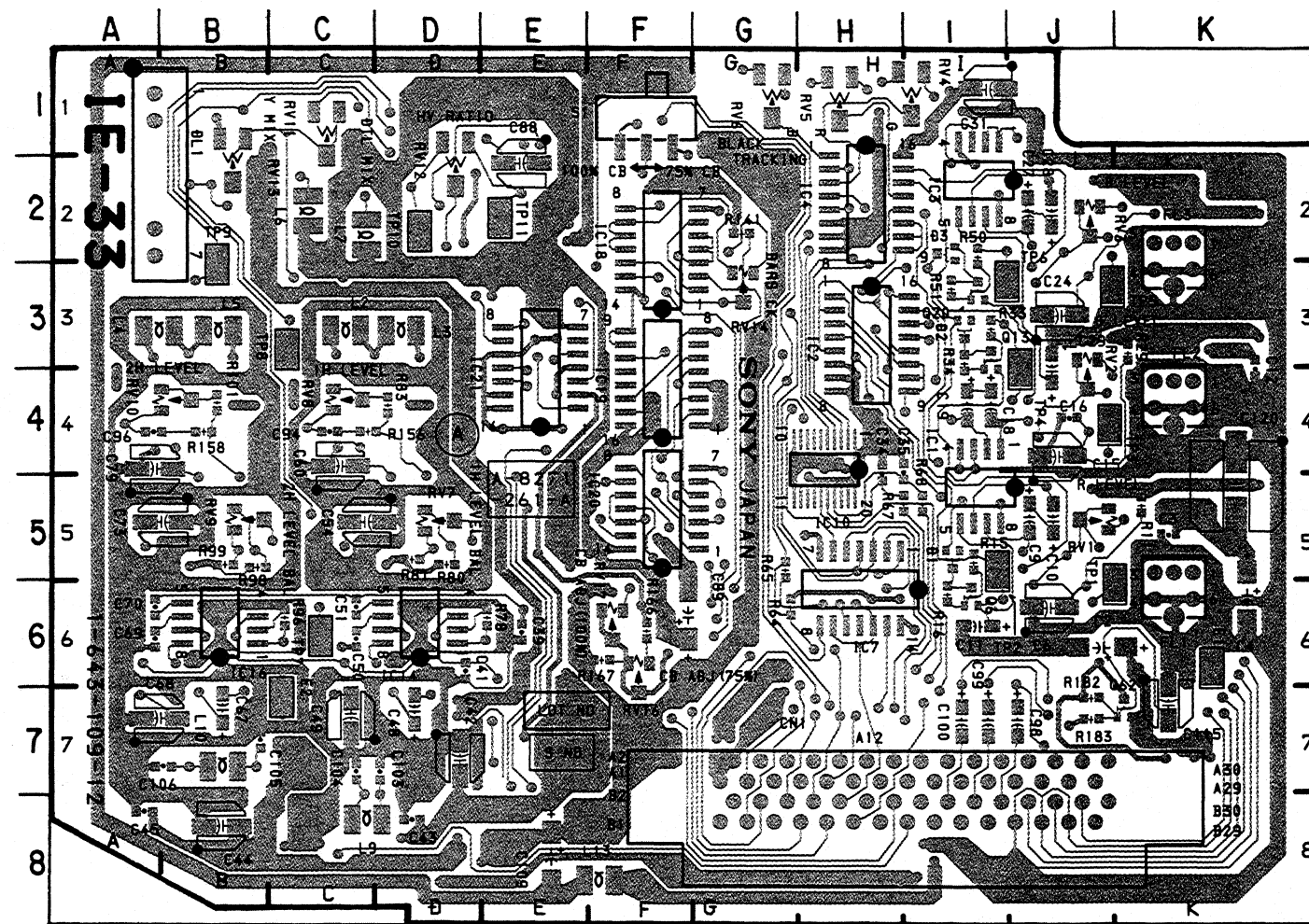
C-2

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## IE-33/33P BOARD

SERIAL No. 10851-12860 (UC)  
30631-31535 (J)  
40801-42810 (EK)



**IE-33/33P — A SIDE —**  
1-643-109-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

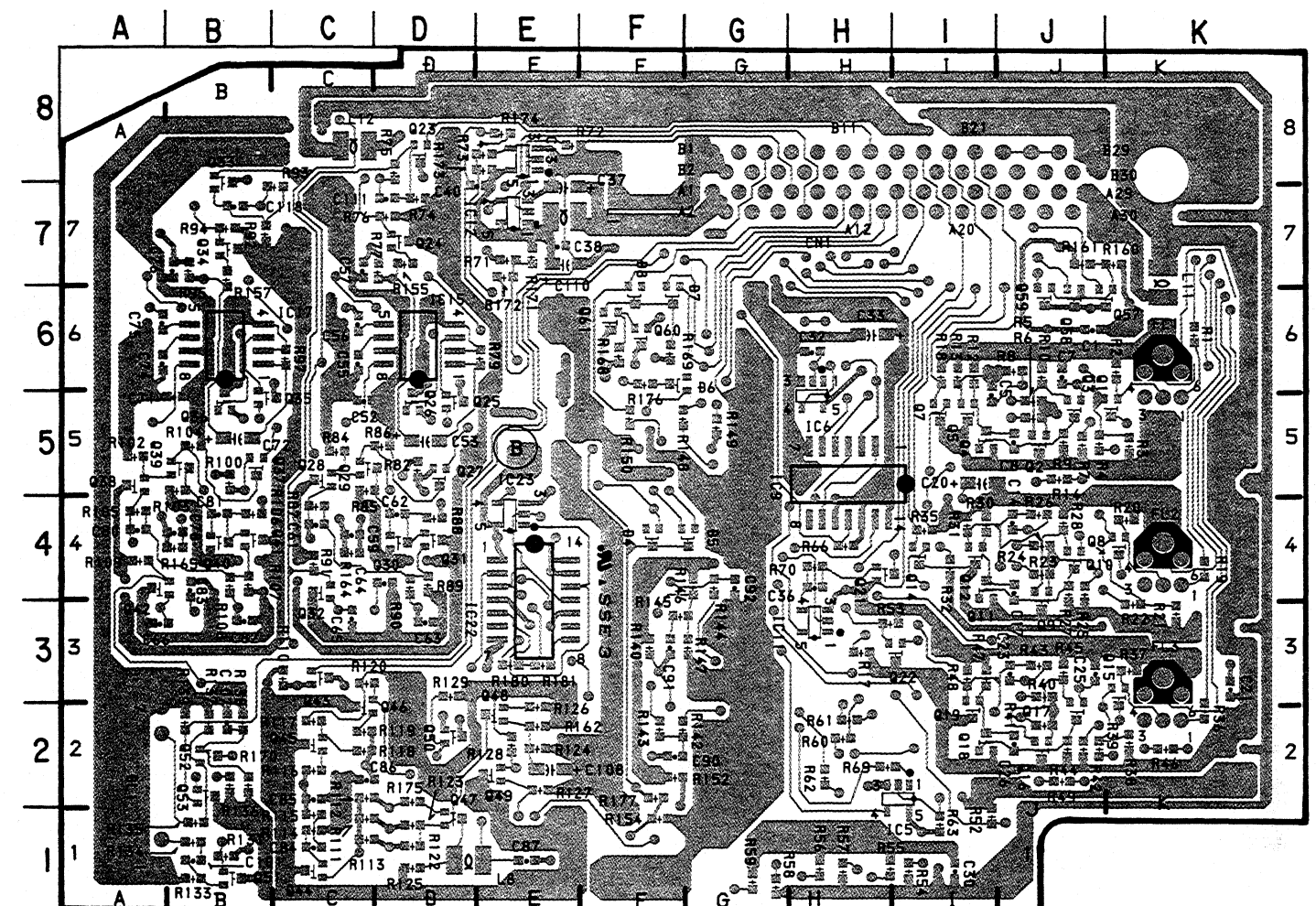
IE-33/33P (1-643-109-12)

\*: B SIDE

CN1	H-7	IC1	I-4	*IC22	D-3	*Q4	I-5	*Q24	D-7	*Q44	C-1	RV5	H-1	TP6	J-2
DL1	A-2	IC2	H-3	*IC23	E-5	*Q5	I-5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP7	C-6
		IC3	I-2			Q6	I-6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP8	C-3
D1	I-5	*IC5	I-1	*L1	F-7	*Q7	I-5	*Q27	D-5	*Q47	D-1	RV8	C-4	TP9	B-2
D2	I-3	*IC6	H-5	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP10	D-2
D3	I-2	IC7	H-6	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP11	E-2
*D4	F-4	*IC9	G-5	L4	A-3	*Q10	J-4	*Q30	D-4	*Q50	D-2	RV11	C-1		
*D5	G-4	IC10	G-4	L5	B-3	*Q11	I-3	*Q31	D-4	*Q51	B-1	RV12	D-2		
*D6	F-5	*IC11	H-3	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2		
*D7	F-6	*IC12	D-7	L7	C-2	Q13	J-3	*Q33	B-8	*Q53	B-2	RV14	G-3		
*D8	F-6	*IC13	E-8	L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7		
		IC14	D-6	L9	C-8	*Q15	J-3	*Q35	C-5	*Q58	J-6	RV17	F-6		
		*IC15	D-6	L10	B-7	*Q16	J-2	*Q36	B-5	*Q59	J-6				
E1	K-6	IC16	B-6	*L11	K-7	*Q17	J-2	*Q37	C-5	*Q60	F-6	S1	E-1		
E2	C-7	*IC17	C-6	L12	C-8	*Q18	I-2	*Q38	A-5	*Q61	F-6				
		IC18	F-2	L13	F-8	*Q19	I-2	*Q39	A-5			TP1	K-6		
FL1	K-6	IC19	F-4			Q20	I-3	*Q40	B-4			TP2	I-6		
FL2	K-4	IC20	F-5	*Q1	J-6	*Q21	H-4	*Q41	B-4			TP3	K-4		
FL3	K-3	IC21	E-4	*Q2	J-5	*Q22	I-3	*Q42	A-3			TP4	J-4		
				*Q3	J-6	*Q23	D-8	*Q43	C-3			TP5	J-3		

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-5 (b)



**IE-33/33P — B SIDE —**  
1-643-109-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

IE-33/33P (1-643-109-12)

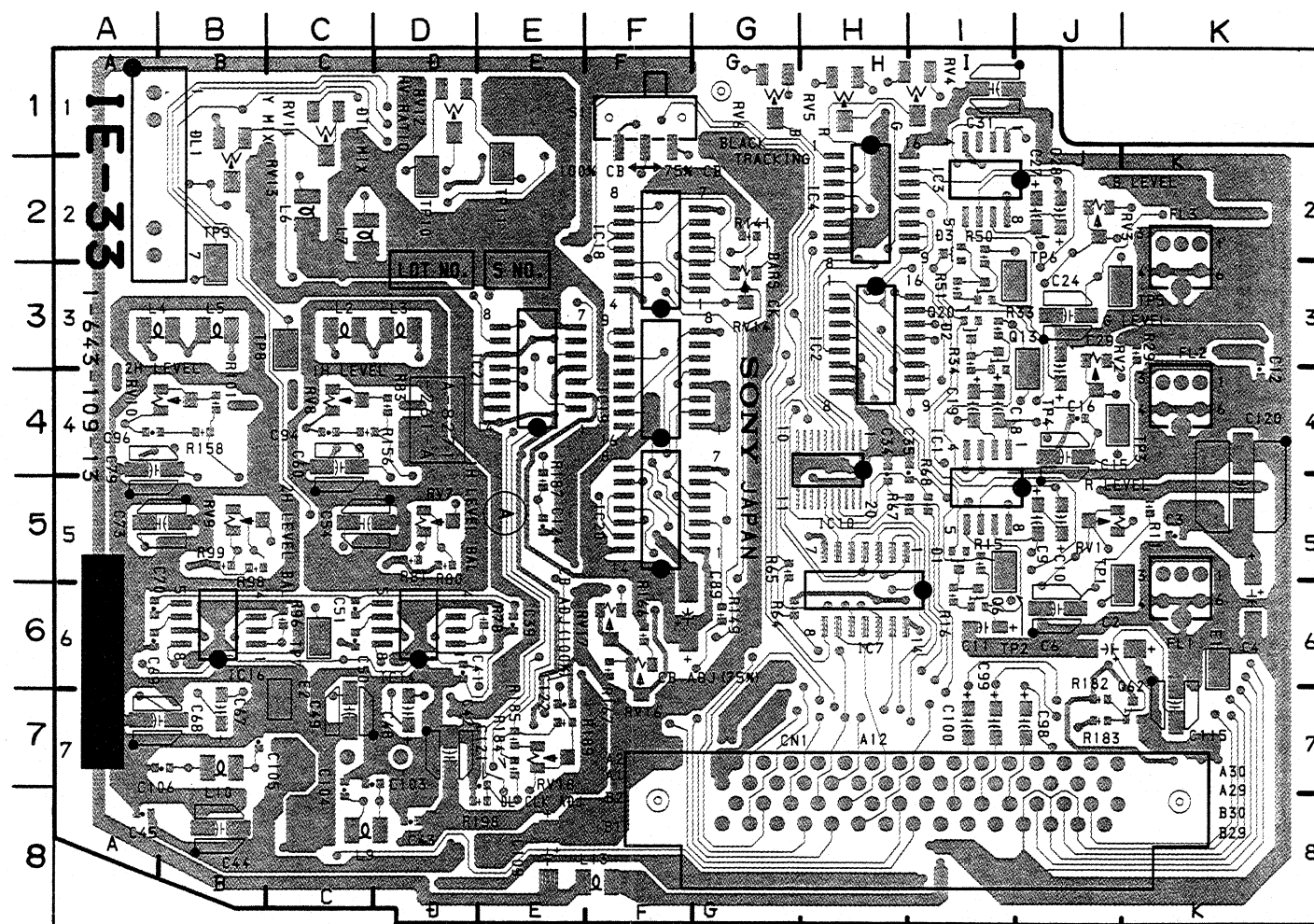
\*: B SIDE

CN1	H-7	IC1	I-4	*IC22	D-3	*Q4	I-5	*Q24	D-7	*Q44	C-1	RV5	H-1	TP6	J-2
DL1	A-2	IC2	H-3	*IC23	E-5	*Q5	I-5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP7	C-6
		IC3	I-2			Q6	I-6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP8	C-3
D1	I-5	*IC5	I-1	*L1	F-7	*Q7	I-5	*Q27	D-5	*Q47	D-1	RV8	C-4	TP9	B-2
D2	I-3	*IC6	H-5	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP10	D-2
D3	I-2	IC7	H-6	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP11	E-2
*D4	F-4	*IC9	G-5	L4	A-3	*Q10	J-4	*Q30	D-4	*Q50	D-2	RV11	C-1		
*D5	G-4	IC10	G-4	L5	B-3	*Q11	I-3	*Q31	D-4	*Q51	B-1	RV12	D-2		
*D6	F-5	*IC11	H-3	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2		
*D7	F-6	*IC12	D-7	L7	C-2	Q13	J-3	*Q33	B-8	*Q53	B-2	RV14	G-3		
*D8	F-6	*IC13	E-8	L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7		
		IC14	D-6	L9	C-8	*Q15	J-3	*Q35	C-5	*Q58	J-6	RV17	F-6		
		*IC15	D-6	L10	B-7	*Q16	J-2	*Q36	B-5	*Q59	J-6				
E1	K-6	IC16	B-6	*L11	K-7	*Q17	J-2	*Q37	C-5	*Q60	F-6	S1	E-1		
E2	C-7	*IC17	C-6	L12	C-8	*Q18	I-2	*Q38	A-5	*Q61	F-6				
		IC18	F-2	L13	F-8	*Q19	I-2	*Q39	A-5			TP1	K-6		
FL1	K-6	IC19	F-4			Q20	I-3	*Q40	B-4			TP2	I-6		
FL2	K-4	IC20	F-5	*Q1	J-6	*Q21	H-4	*Q41	B-4			TP3	K-4		
FL3	K-3	IC21	E-4	*Q2	J-5	*Q22	I-3	*Q42	A-3			TP4	J-4		
				*Q3	J-6	*Q23	D-8	*Q43	C-3			TP5	J-3		

C-6 (b)

## IE-33/33P BOARD

SERIAL No. 12861 and higher (UC)  
31536 and higher (J)  
42826 and higher (EK)



IE-33/33P — A SIDE —

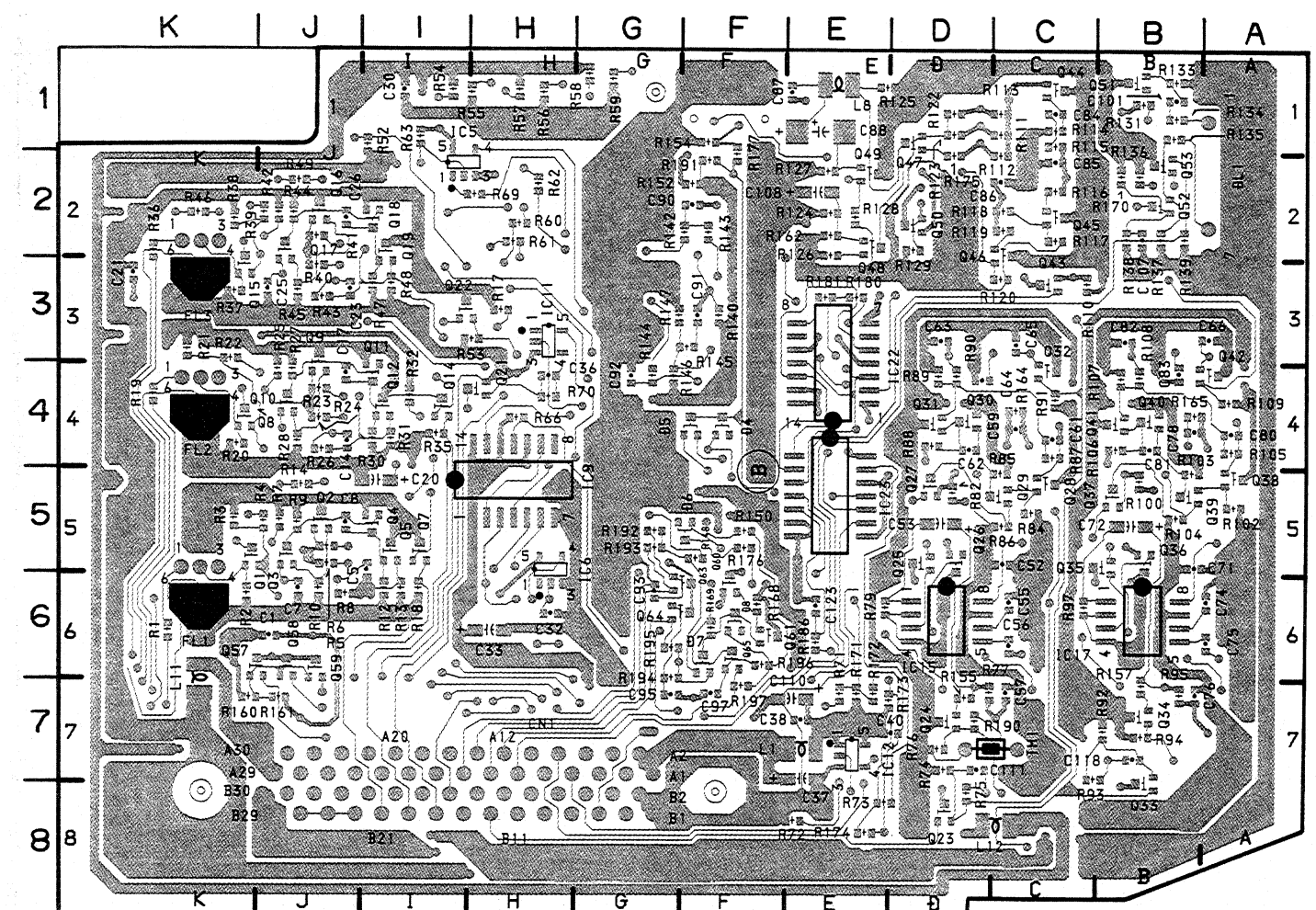
1-643-109-13  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

IE-33/33P (1-643-109-13)

\*: B SIDE

CN1	H-7	IC1	I-4	*IC23	E-5	*Q5	I-5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP6	J-2
		IC2	H-3			Q6	I-6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP7	C-6
DL1	A-2	IC3	I-2	*L1	F-7	*Q7	I-5	*Q27	D-5	*Q47	D-1	RV8	C-4	TP8	C-3
		IC4	H-2	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP9	B-2
D1	I-5	*IC5	I-1	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP10	D-2
D2	I-3	*IC6	H-5	L4	A-3	*Q10	J-4	*Q30	D-4	*Q50	D-2	RV11	C-1	TP11	E-2
D3	I-2	IC7	H-6	L5	B-3	*Q11	I-3	*Q31	D-4	*Q51	B-1	RV12	D-2		
*D4	F-4	*IC9	G-5	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2		
*D5	G-4	IC10	G-4	L7	C-2	Q13	J-3	*Q33	B-8	*Q53	B-2	RV14	G-3		
*D6	F-5	*IC11	H-3	*L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7		
*D7	F-6	*IC12	D-7	L9	C-8	*Q15	J-3	*Q35	C-5	*Q58	J-6	RV17	F-6		
*D8	F-6	IC14	D-6	L10	B-7	*Q16	J-2	*Q36	B-5	*Q59	J-6	RV18	E-7		
		*IC15	D-6	*L11	K-7	*Q17	J-2	*Q37	C-5	*Q60	F-5				
E1	K-6	IC16	B-6	*L12	C-8	*Q18	I-2	*Q38	A-5	*Q61	F-6	S1	E-1		
E2	C-7	*IC17	C-6	L13	F-8	*Q19	I-2	*Q39	A-5						
		IC18	F-2			Q20	I-3	*Q40	B-4	RV1	K-5	TP1	K-6		
FL1	K-6	IC19	F-4	*Q1	J-6	*Q21	H-4	*Q41	B-4	RV2	J-4	TP2	I-6		
FL2	K-4	IC20	F-5	*Q2	J-5	*Q22	I-3	*Q42	A-3	RV3	K-2	TP3	K-4		
FL3	K-3	IC21	E-4	*Q3	J-6	*Q23	D-8	*Q43	C-3	RV4	I-1	TP4	J-4		
		*IC22	D-3	*Q4	I-5	*Q24	D-7	*Q44	C-1	RV5	H-1	TP5	J-3		

C-5 (a)



IE-33/33P — B SIDE —

1-643-109-13  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

IE-33/33P (1-643-109-13)

\*: B SIDE

CN1	H-7	IC1	I-4	*IC23	E-5	*Q5	I-5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP6	J-2
		IC2	H-3			Q6	I-6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP7	C-6
DL1	A-2	IC3	I-2	*L1	F-7	*Q7	I-5	*Q27	D-5	*Q47	D-1	RV8	C-4	TP8	C-3
		IC4	H-2	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP9	B-2
D1	I-5	*IC5	I-1	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP10	D-2
D2	I-3	*IC6	H-5	L4	A-3	*Q10	J-4	*Q30	D-4	*Q50	D-2	RV11	C-1	TP11	E-2
D3	I-2	IC7	H-6	L5	B-3	*Q11	I-3	*Q31	D-4	*Q51	B-1	RV12	D-2		
*D4	F-4	*IC9	G-5	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2		
*D5	G-4	IC10	G-4	L7	C-2	Q13	J-3	*Q33	B-8	*Q53	B-2	RV14	G-3		
*D6	F-5	*IC11	H-3	*L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7		
*D7	F-6	*IC12	D-7	L9	C-8	*Q15	J-3	*Q35	C-5	*Q58	J-6	RV17	F-6		
*D8	F-6	IC14	D-6	L10	B-7	*Q16	J-2	*Q36	B-5	*Q59	J-6	RV18	E-7		
		*IC15	D-6	*L11	K-7	*Q17	J-2	*Q37	C-5	*Q60	F-5				
E1	K-6	IC16	B-6	*L12	C-8	*Q18	I-2	*Q38	A-5	*Q61	F-6	S1	E-1		
E2	C-7	*IC17	C-6	L13	F-8	*Q19	I-2	*Q39	A-5						
		IC18	F-2			Q20	I-3	*Q40	B-4	RV1	K-5	TP1	K-6		
FL1	K-6	IC19	F-4	*Q1	J-6	*Q21	H-4	*Q41	B-4	RV2	J-4	TP2	I-6		
FL2	K-4	IC20	F-5	*Q2	J-5	*Q22	I-3	*Q42	A-3	RV3	K-2	TP3	K-4		
FL3	K-3	IC21	E-4	*Q3	J-6	*Q23	D-8	*Q43	C-3	RV4	I-1	TP4	J-4		
		*IC22	D-3	*Q4	I-5	*Q24	D-7	*Q44	C-1	RV5	H-1	TP5	J-3		

C-6 (a)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



# IE-33/33P BOARD

NTSC

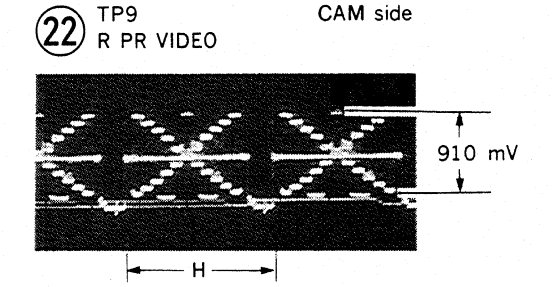
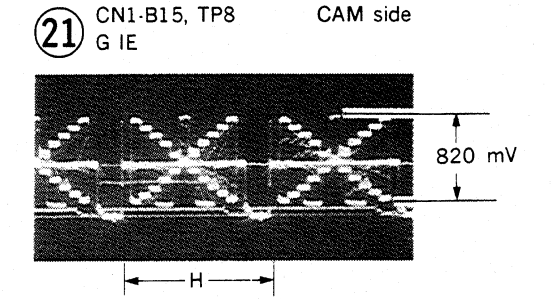
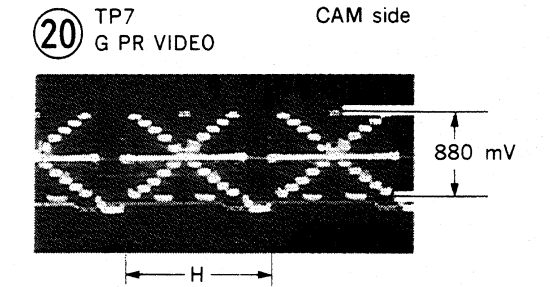
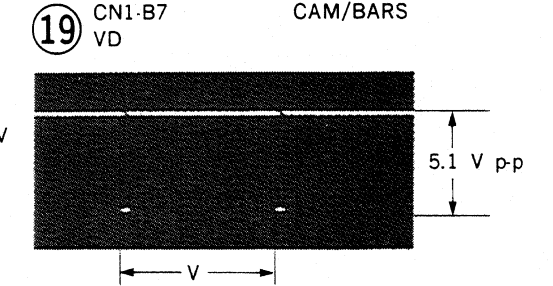
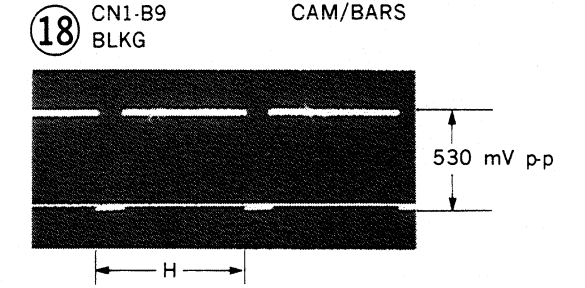
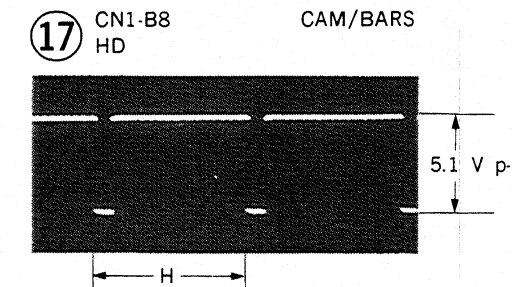
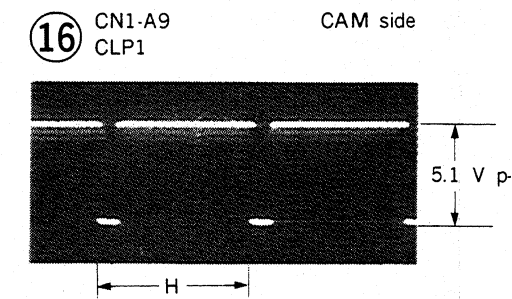
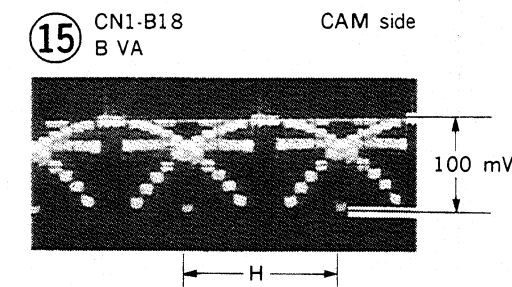
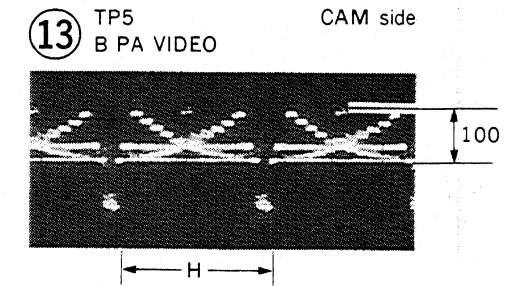
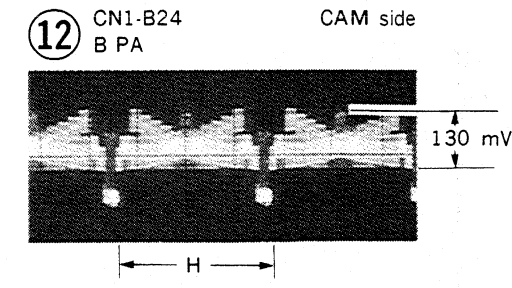
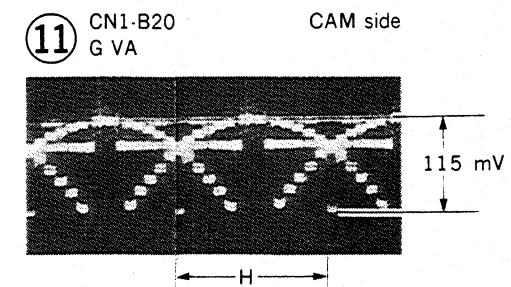
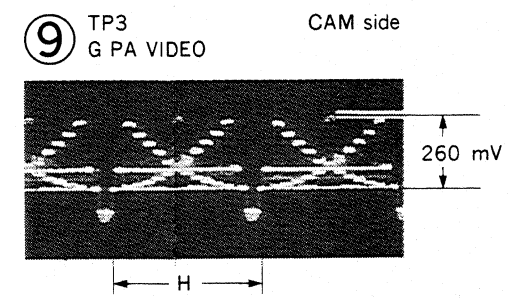
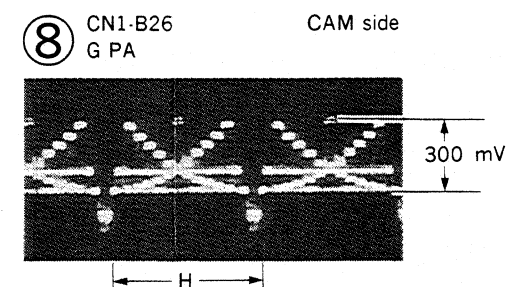
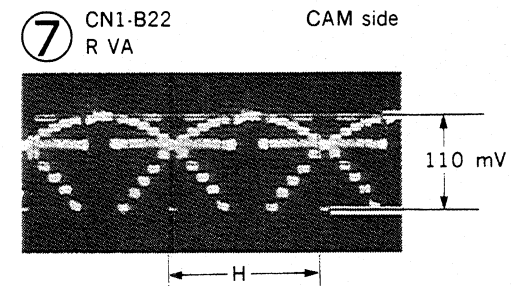
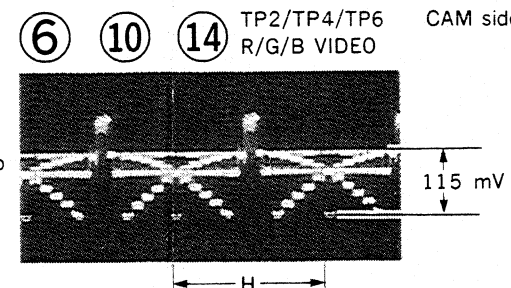
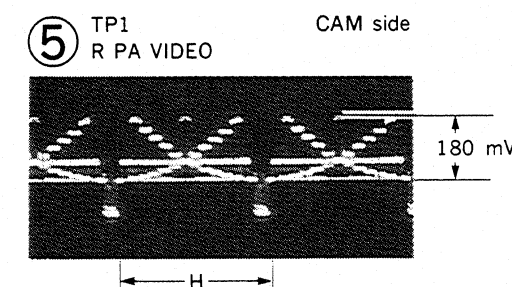
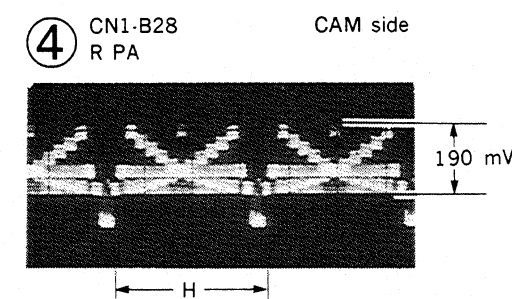
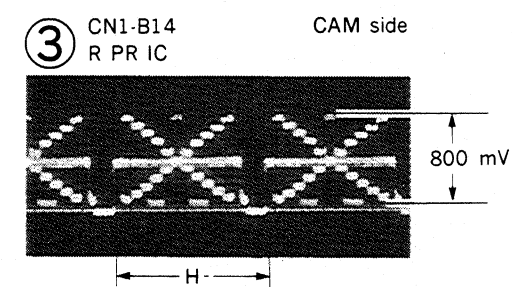
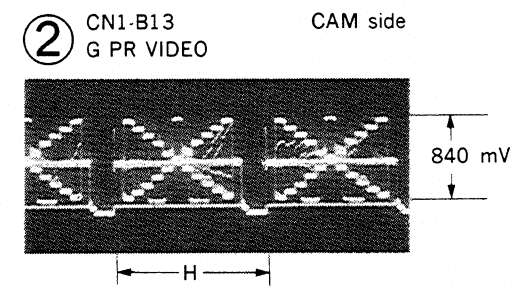
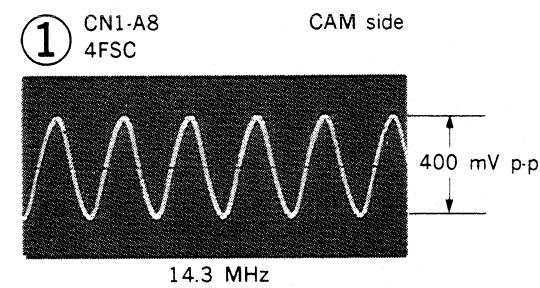
PAL

## 注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : CAM mode  
( ) Mark : BARS mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
・グレースケールチャートを撮影し, 波形モニターにて, ビデオ出力の白レベルが100IRE (NTSC) または700 mV (PAL) になる様にレンズ絞りをセットする。  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

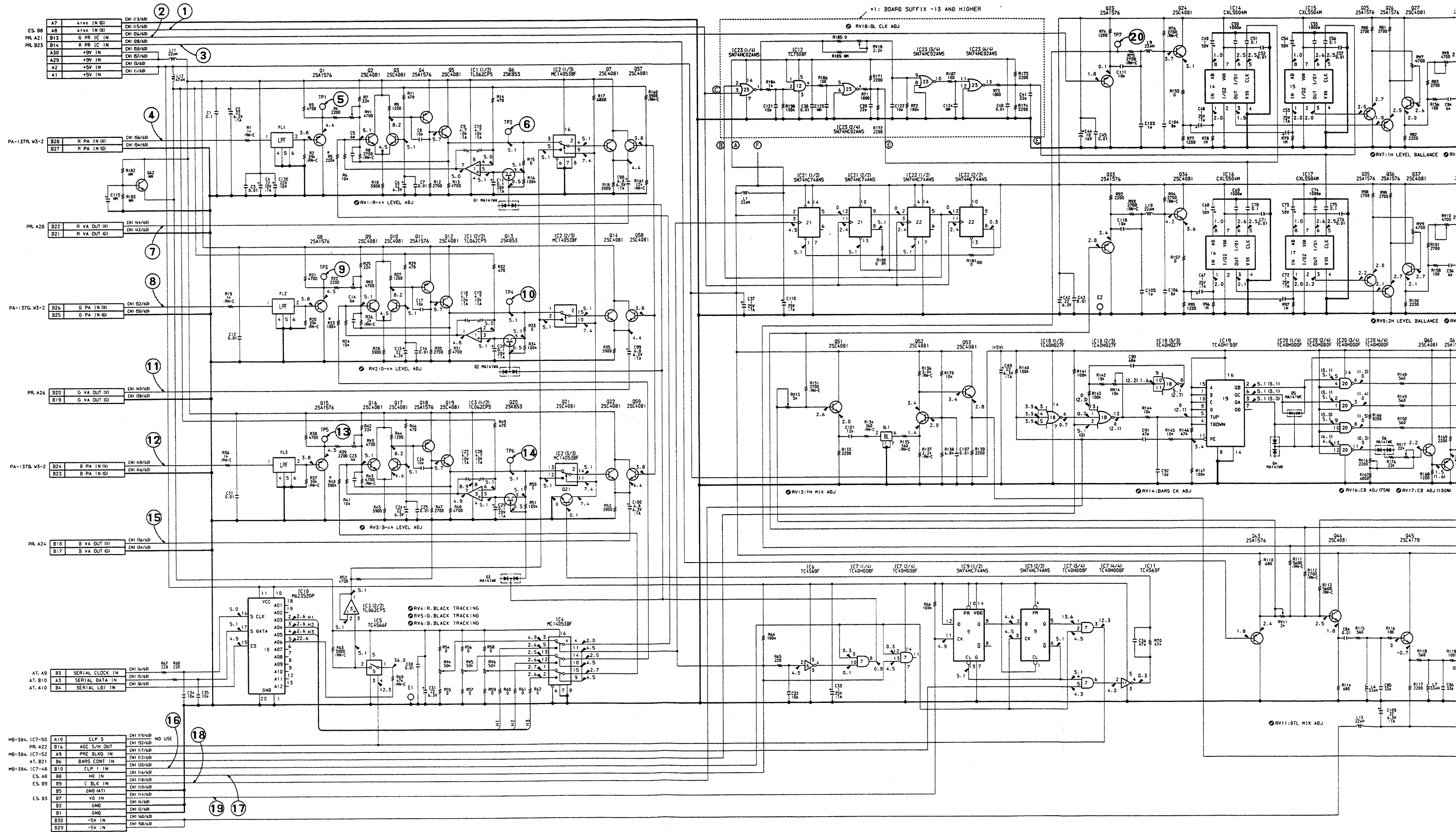
## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : CAM mode  
( ) Mark : BARS mode
- All waveforms are taken and DC voltage is measured in condition below.  
・Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE (for NTSC) or 700 mV (for PAL) on the waveform monitor.  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF





VIDEO AMP, IMAGE ENHANCER

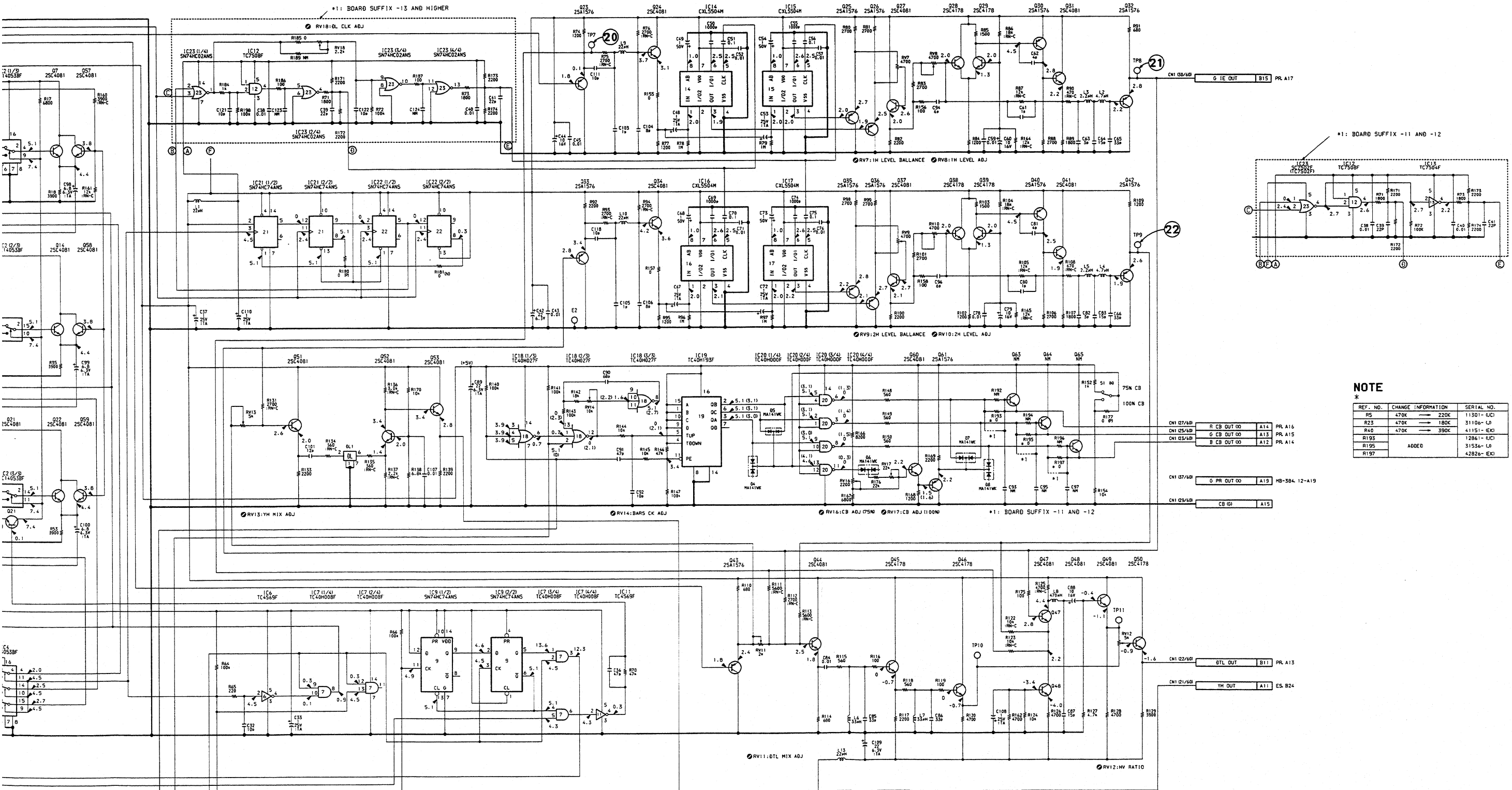


EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-9

C-10

A | B | C | D | E | F | G | H



NOTE

REF. NO.	CHANGE INFORMATION	SERIAL NO.
R5	470K → 220K	11301- G(J)
R23	470K → 180K	31106- G(J)
R40	470K → 390K	41151- G(K)
R193		12841- G(J)
R195	ADDED	31536- G(J)
R197		42826- G(K)

NOTE

1. NM : NO MOUNT  
2. (N) : NTSL only  
3. (P) : PAL only

IE-33/33P BOARD

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

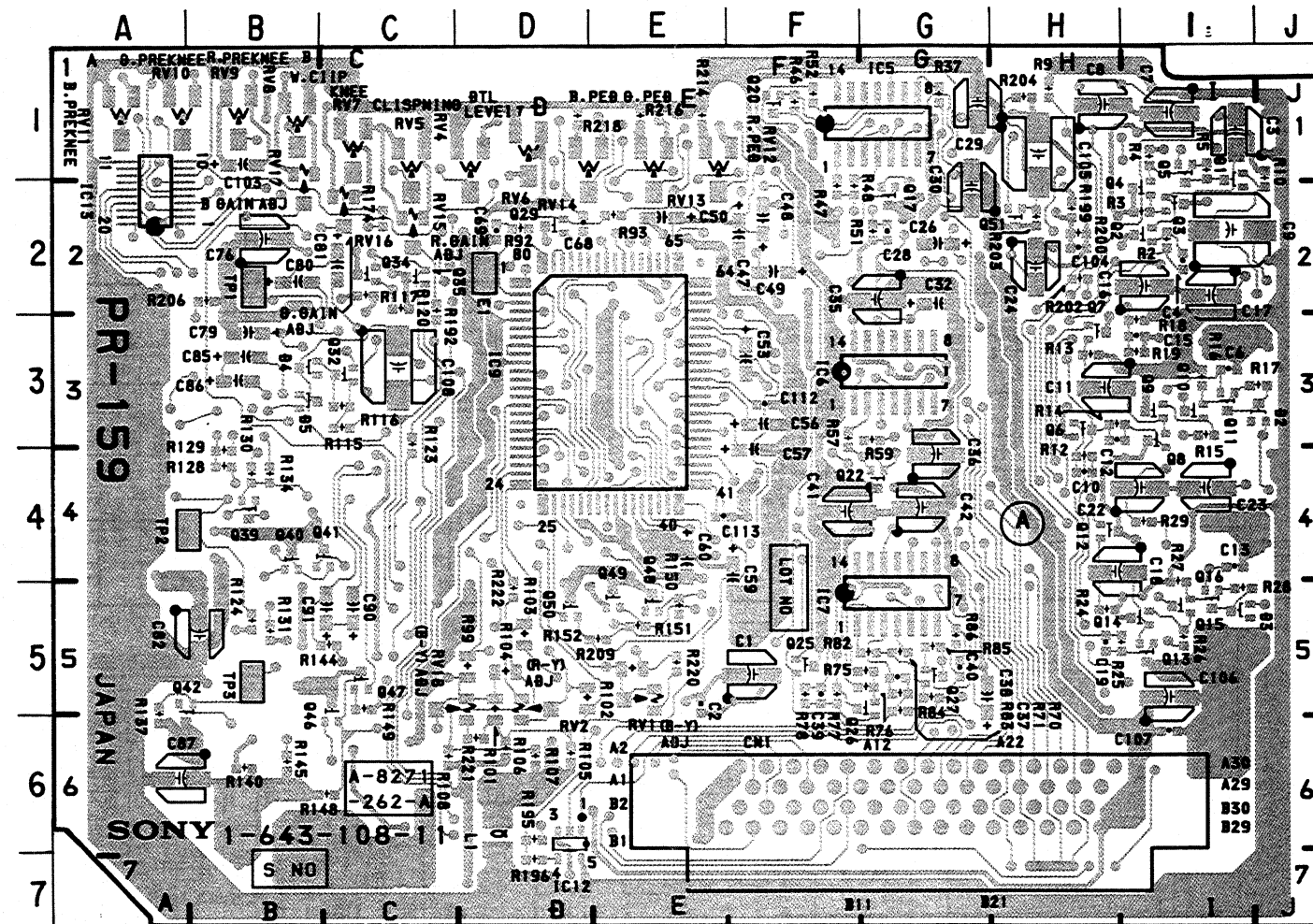
8-EVW300-1E33P





## PR-159/159P BOARD

SERIAL No. 10001-11150 (UC)  
30001-30955 (J)  
40001-41050 (EK)



PR-159/159P - A SIDE -

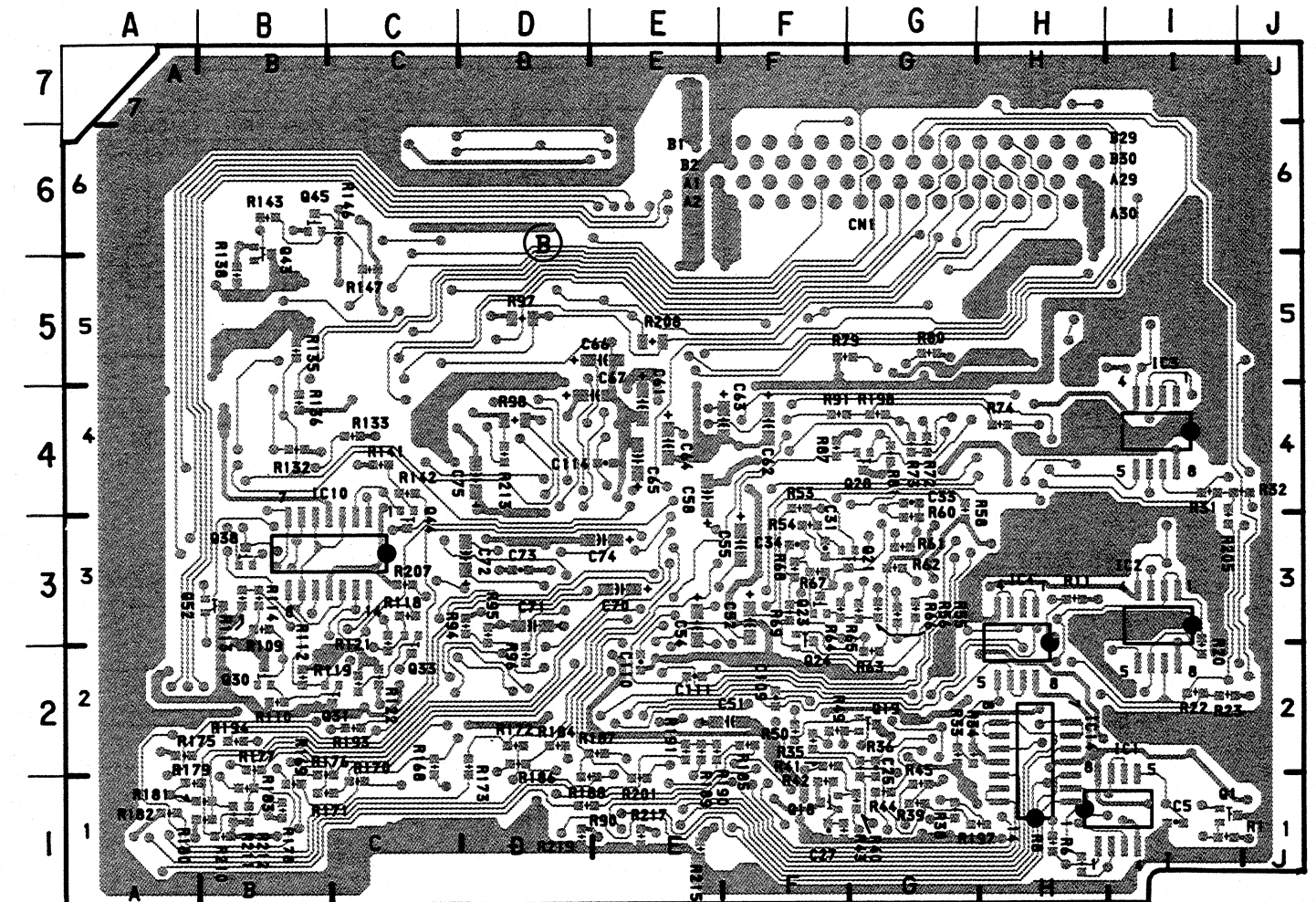
1-643-108-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

PR-159/159P (1-643-108-11)

\*: B SIDE

CN1	F-6	IC9	D-3	Q11	I-3	*Q31	C-2	RV1	E-6
		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	*IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	I-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	*Q22	G-4	*Q44	C-3	RV13	E-2
		Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	D-2
*IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
*IC2	I-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
*IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
IC5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5

C-13



PR-159/159P - B SIDE -

1-643-108-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

PR-159/159P (1-643-108-11)

\*: B SIDE

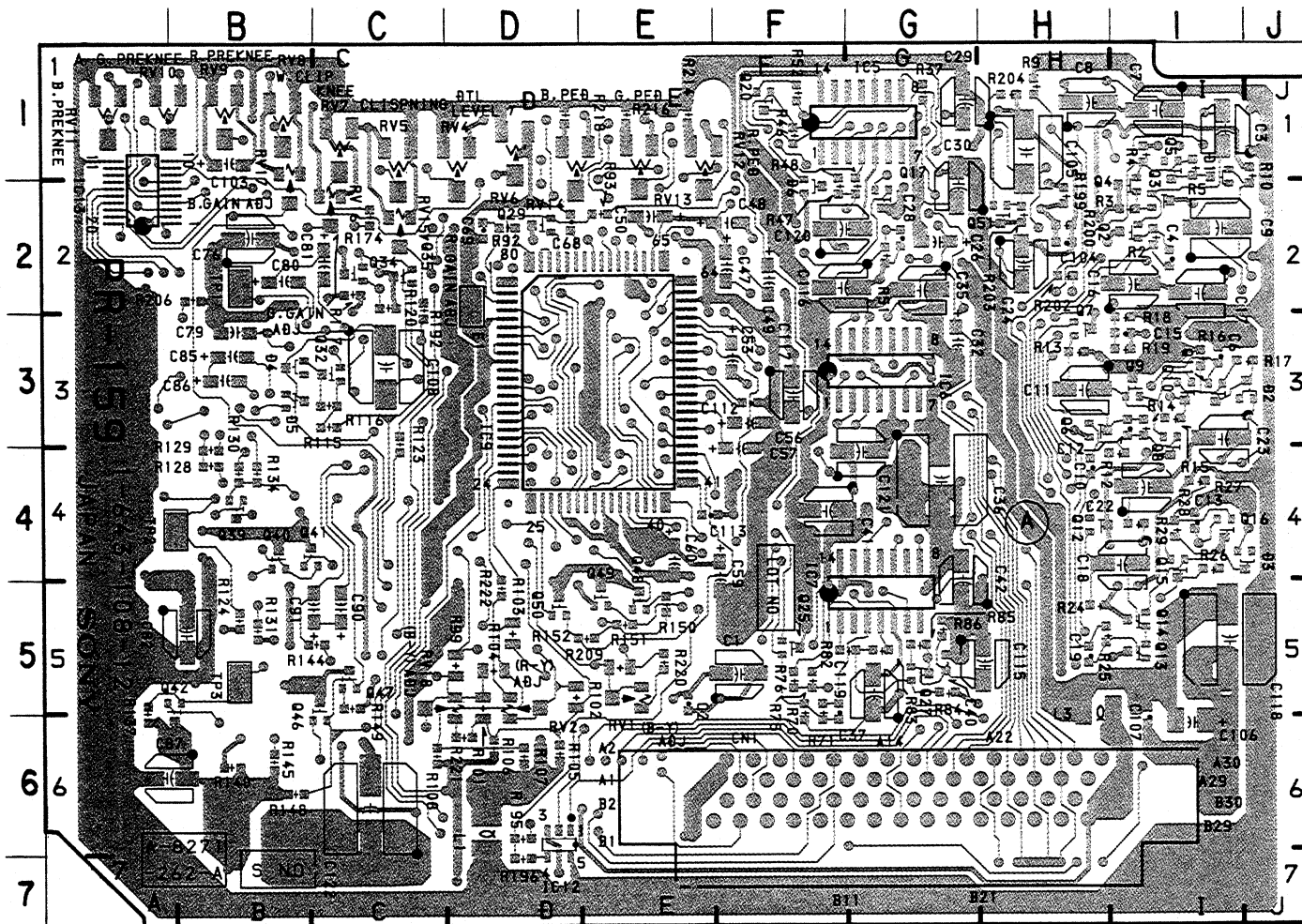
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		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	*IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	I-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	*Q22	G-4	*Q44	C-3	RV13	E-2
		Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	D-2
*IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
*IC2	I-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
*IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
IC5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5

C-14

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

## PR-159/159P BOARD

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)

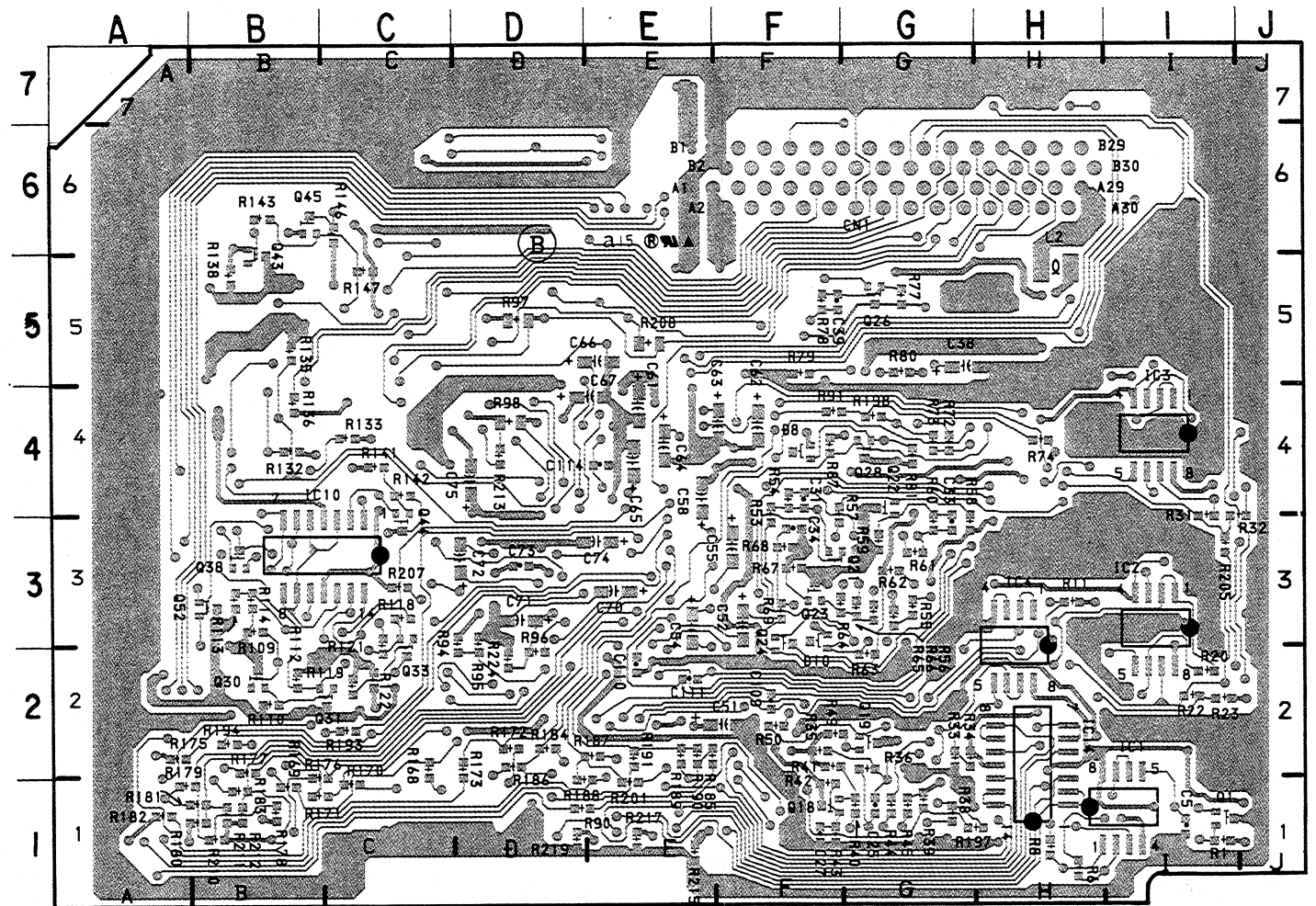


PR-159/159P (1-643-108-12)

\*: B SIDE

CN1	F-6	IC9	D-3	Q11	I-3	*Q31	C-2	RV1	E-6
		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	*IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	I-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	*Q22	G-4	*Q44	C-3	RV13	E-2
		Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	D-2
*IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
*IC2	I-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
*IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
IC5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5

C-15(a)



PR-159/159P (1-643-108-12)

\*: B SIDE

CN1	F-6	IC9	D-3	Q11	I-3	*Q31	C-2	RV1	E-6
		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	*IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	I-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	*Q22	G-4	*Q44	C-3	RV13	E-2
		Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	D-2
*IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
*IC2	I-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
*IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
IC5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5

C-16(a)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)





## PR-159 BOARD

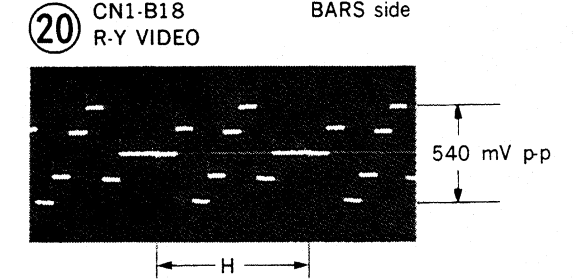
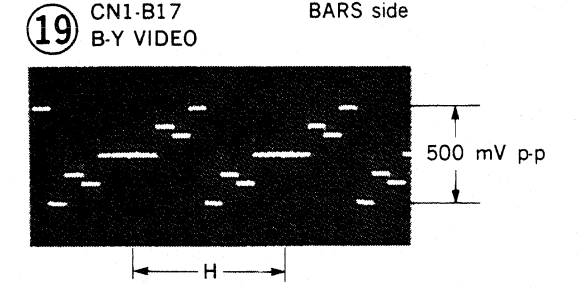
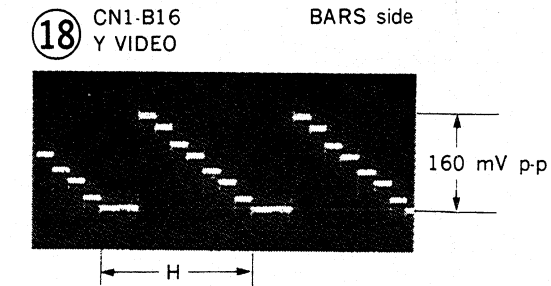
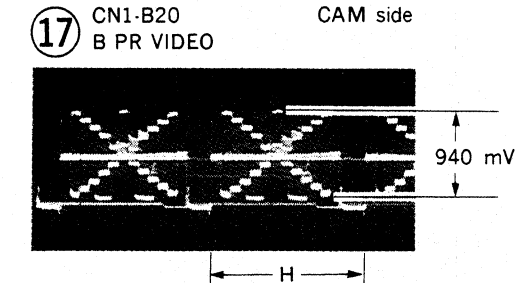
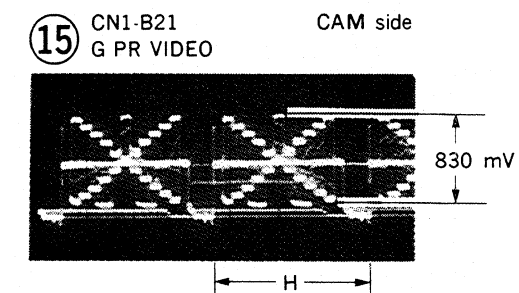
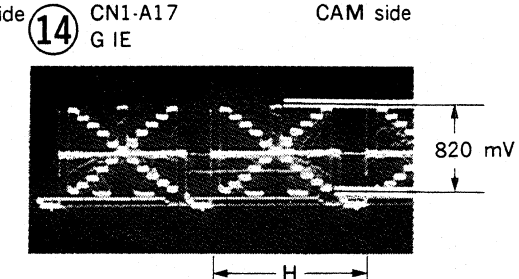
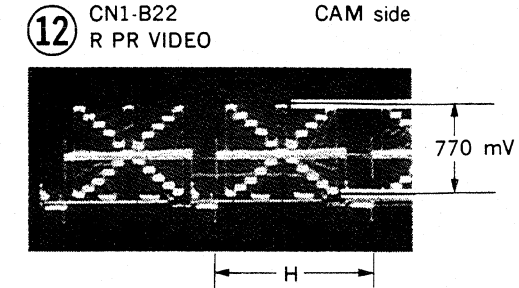
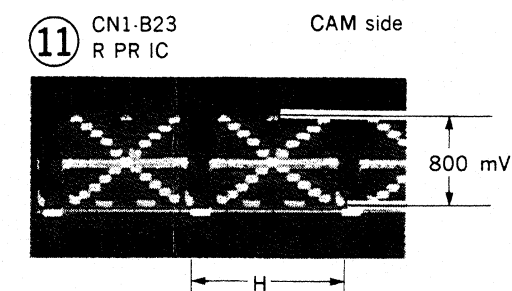
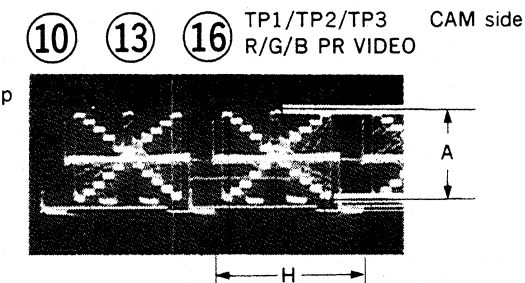
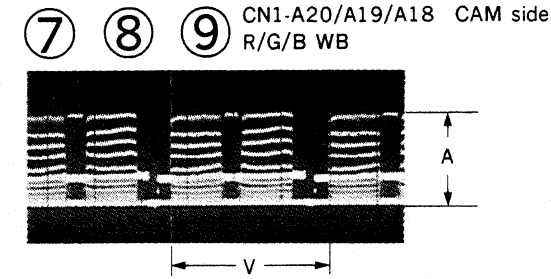
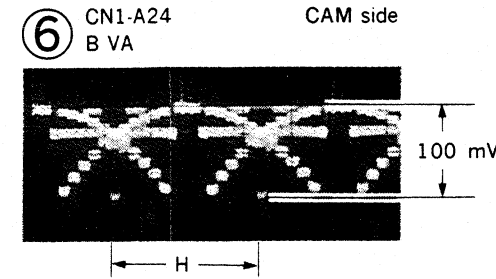
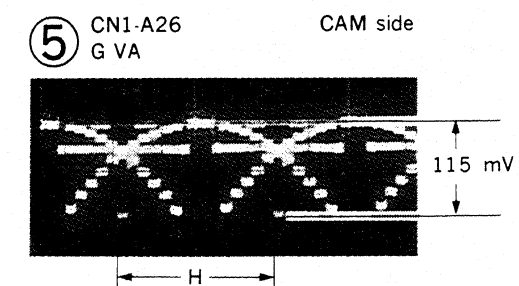
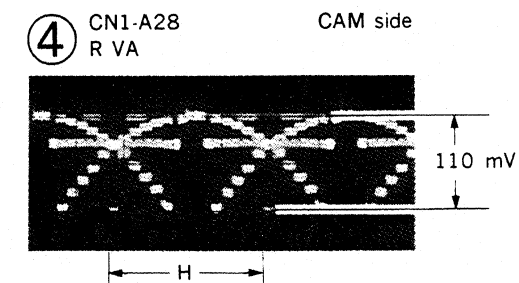
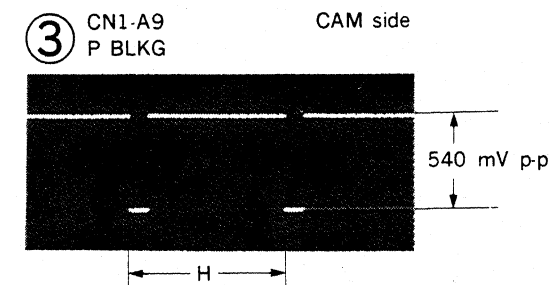
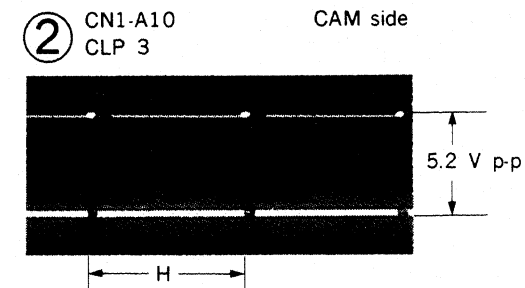
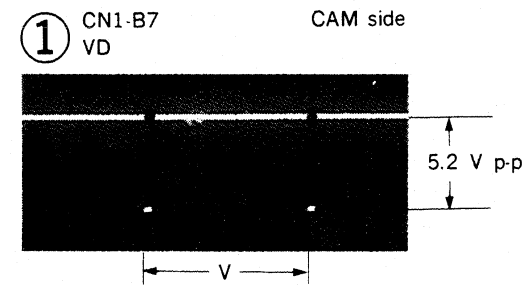
NTSC

## 注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : CAM mode  
( ) Mark : BARS mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
・グレースケールチャートを撮影し, 波形モニターにて, ビデオ出力の白レベルが100IRE になる様にレンズ絞りをセットする。  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark: CAM mode  
( ) Mark: BARS mode
- All waveforms are taken and DC voltage is measured in condition below.  
・Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE on the waveform monitor.  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF



## PR-159P BOARD

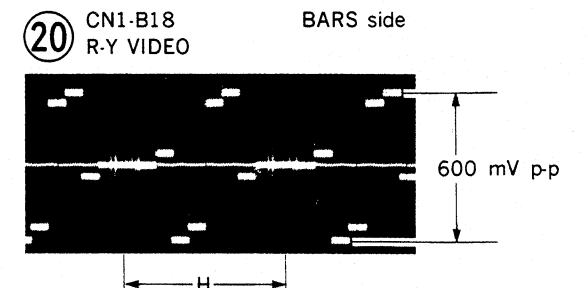
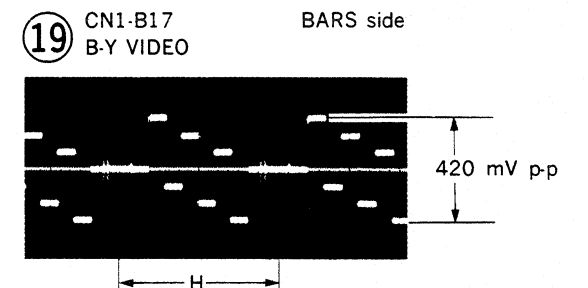
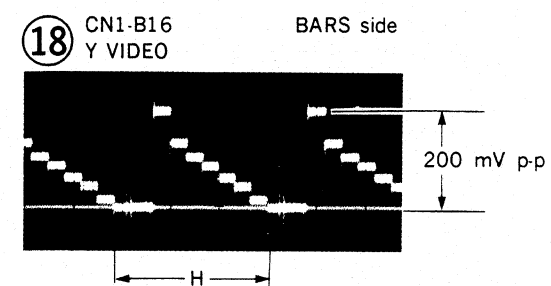
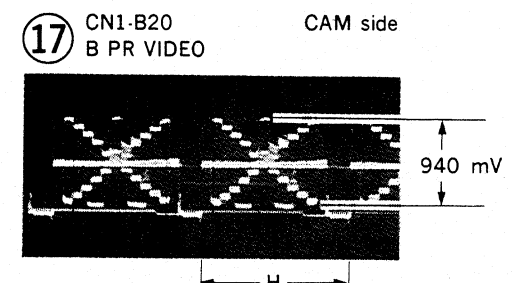
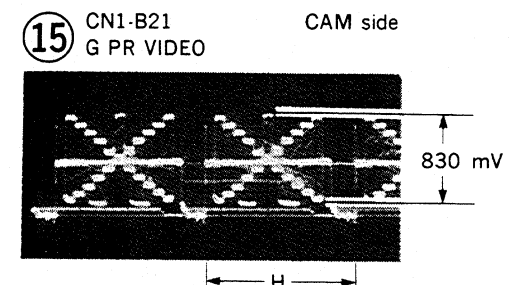
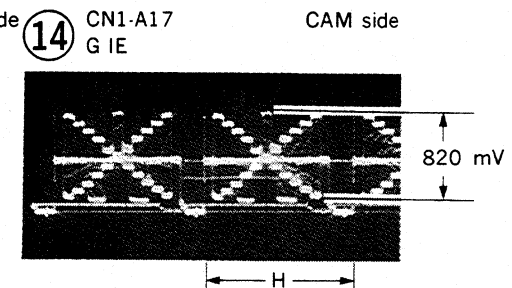
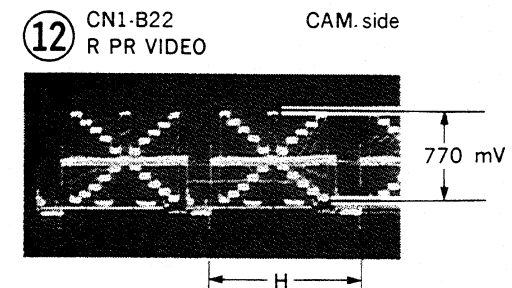
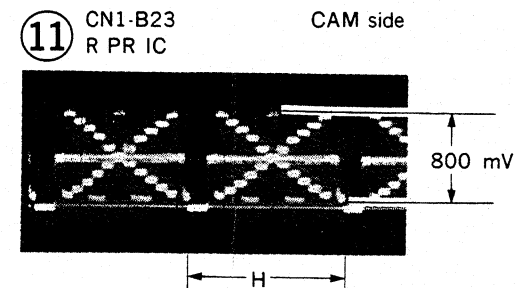
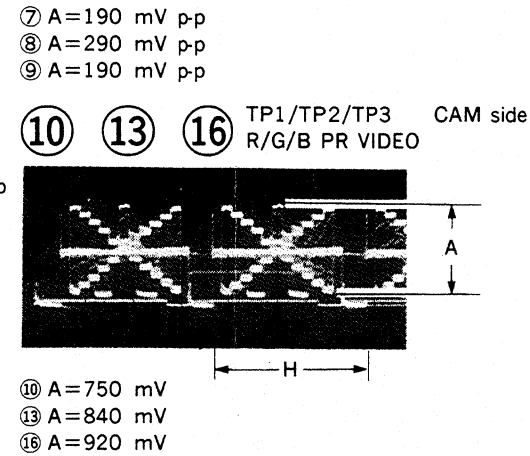
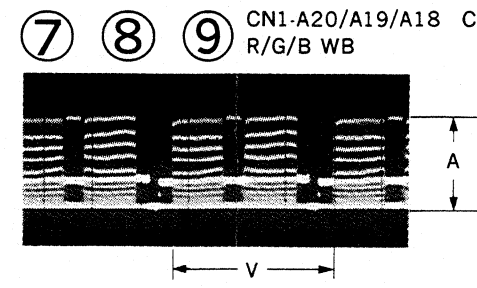
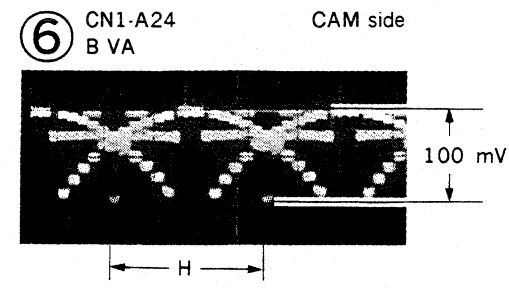
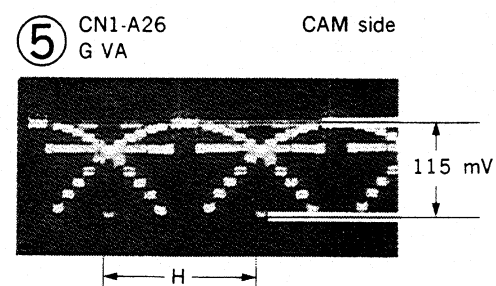
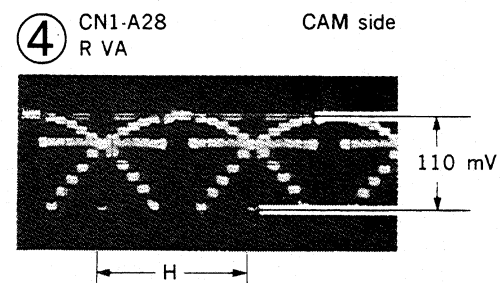
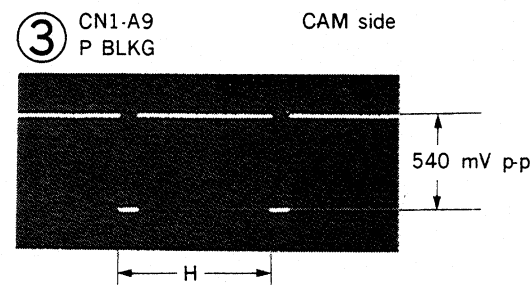
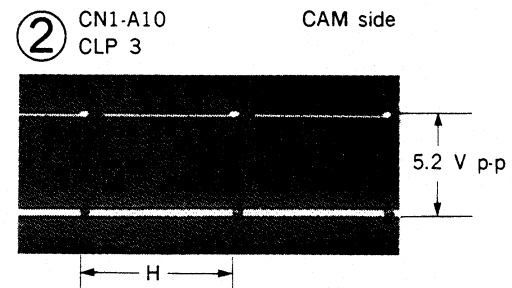
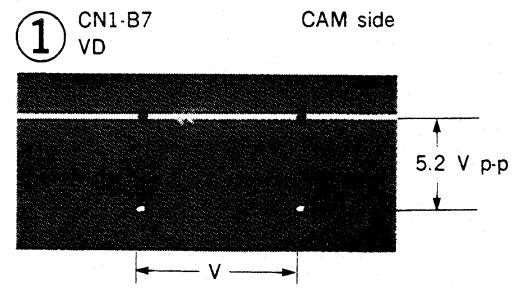
PAL

## 注意：

- DC 電圧はデジタル電圧計による値。  
No Mark : CAM mode  
( ) Mark : BARS mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
・グレースケールチャートを撮影し, 波形モニターにて, ビデオ出力の白レベルが700 mV になる様にレンズ絞りをセットする。  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

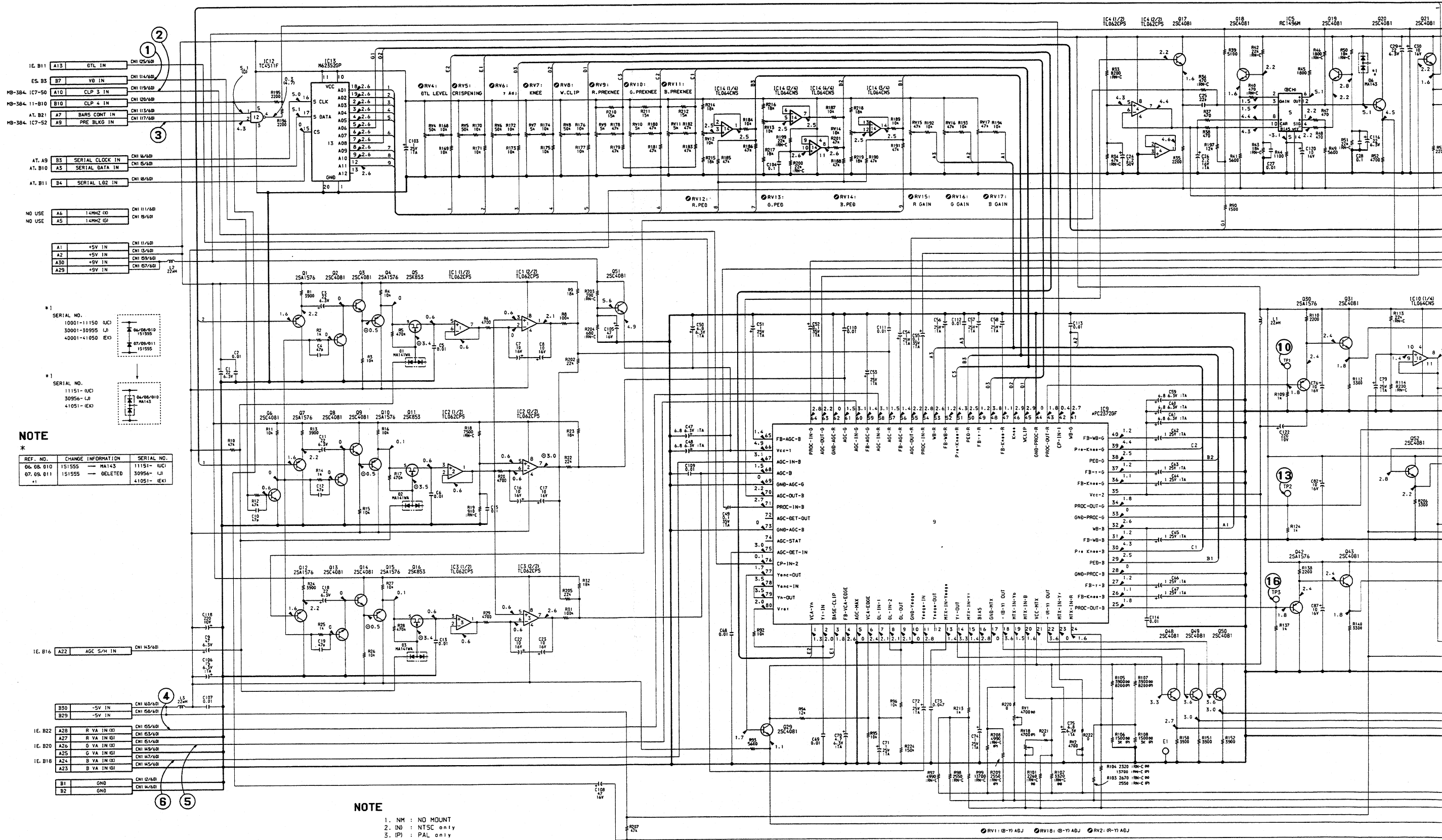
## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : CAM mode  
( ) Mark : BARS mode
- All waveforms are taken and DC voltage is measured in condition below.  
・Shoot the grayscale chart. Ajust lens iris so that a white level is 700 mV on the waveform monitor.  
・OUTPUT : CAM  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF



# VIDEO PROCESS

PR-159/159P PR-159/159P



EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-19

C-20

A

B

C

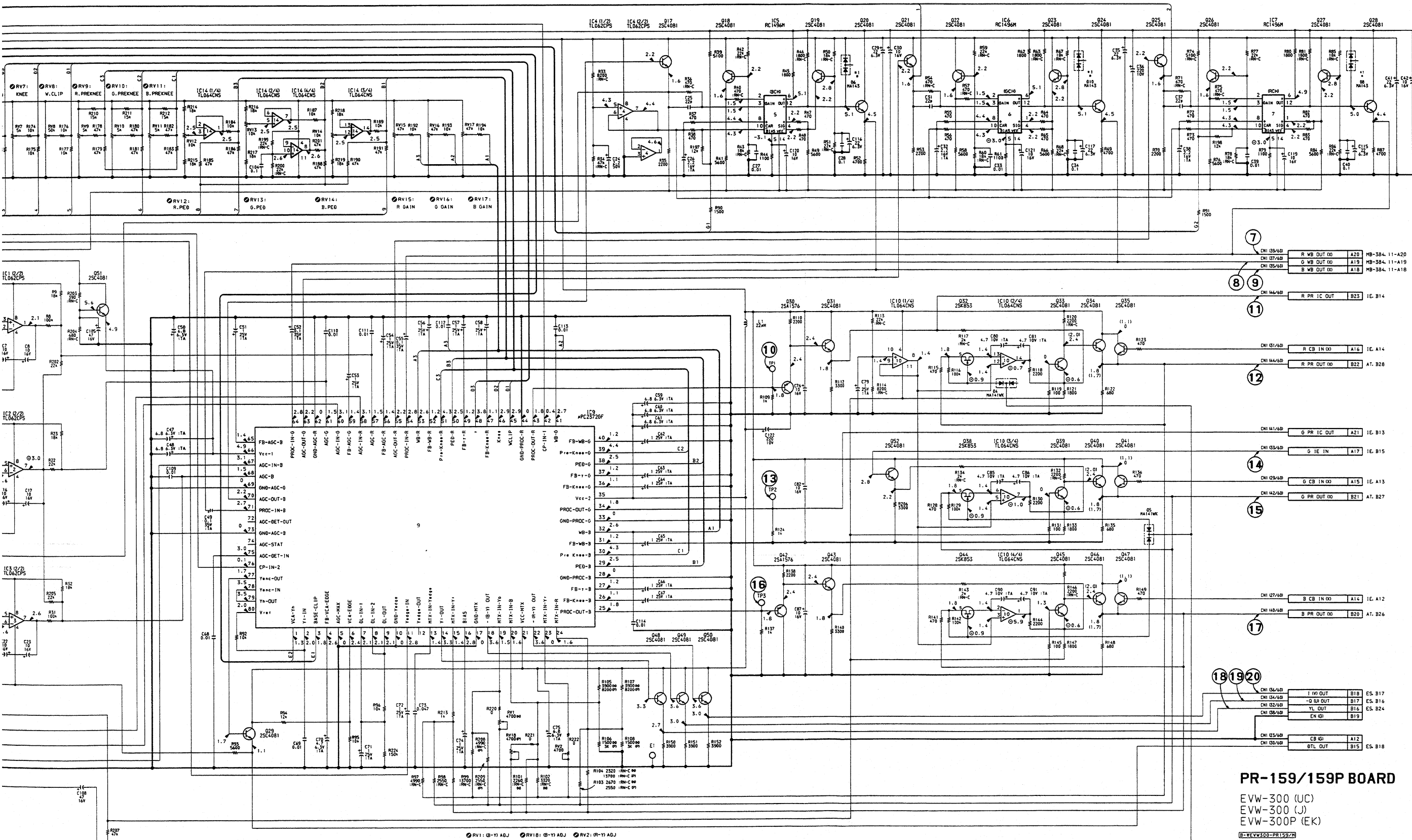
D

E

F

G

H



PR-159/159P BOARD

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

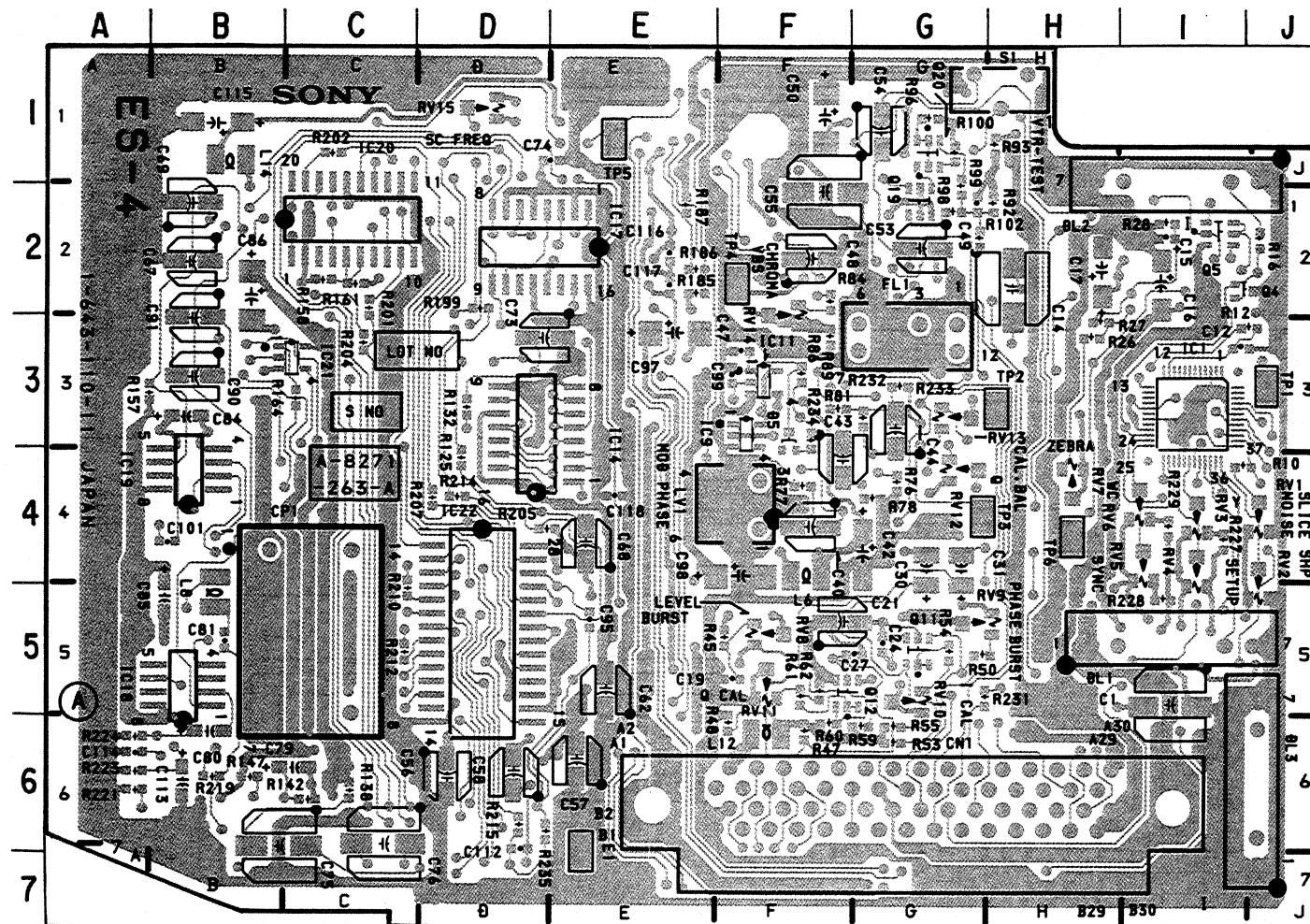
(R-WEVW550-PR159/159P)





ES-4/4P BOARD

SERIAL No. 10001-10950 (UC)  
30001-30740 (J)  
40001-40900 (EK)



ES-4/4P - A SIDE -

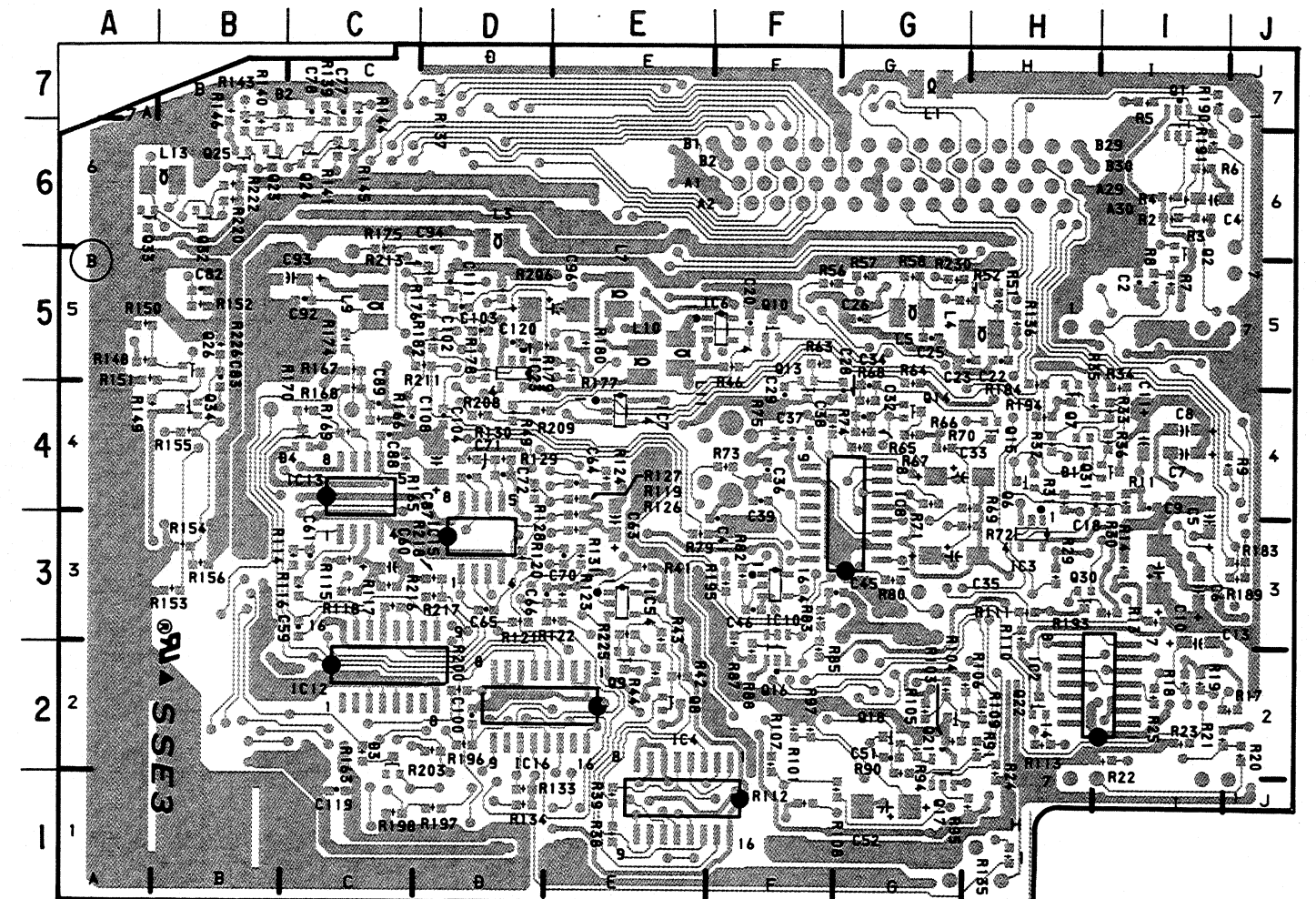
1-643-110-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

ES-4/4P (1-643-110-11)

\*: B SIDE

CN1	H-6	*IC3	H-3	LV1	E-4	*Q6	H-4	*Q26	B-5	RV10	G-5
		*IC4	E-2			*Q7	H-5	*Q30	H-3	RV12	G-4
CP1	C-4	*IC5	E-3	*L1	G-7	*Q8	E-2	*Q31	H-4	RV13	H-3
		*IC6	F-5	*L3	D-6	*Q9	E-2	*Q32	B-5	RV14	F-2
DL1	H-5	*IC7	E-4	*L4	H-5	*Q10	F-5	*Q33	A-5	RV15	D-1
DL2	H-2	*IC8	G-4	*L5	G-5	Q11	G-5	*Q34	B-4		
DL3	J-6	IC9	E-3	L6	F-5	Q12	G-5	Q35	I-3	S1	H-1
		*IC10	F-3	*L7	E-5	*Q13	F-5	Q36	I-2		
*D1	H-4	IC11	F-3	L8	B-5	*Q14	G-4	*Q100	I-7	TP1	J-3
*D2	B-7	*IC12	C-2	*L9	C-5	*Q15	H-4	Q101	I-2	TP2	H-3
*D3	C-2	*IC13	C-4	*L10	E-5	*Q16	F-2			TP3	H-4
*D4	C-4	IC14	E-3	*L11	E-5	*Q17	F-2	RV1	J-4	TP4	G-2
D5	F-3	*IC15	D-3	L12	E-6	*Q18	G-1	RV2	J-4	TP5	E-1
		*IC16	D-2	*L13	B-6	Q19	G-2	RV3	I-4		
E1	E-7	IC17	E-2	L14	B-1	Q20	G-2	RV4	I-4		
		IC18	A-5			*Q21	H-2	RV5	H-4		
FL1	G-3	IC19	A-4	*Q1	I-6	*Q22	H-2	RV6	H-4		
		IC20	C-1	*Q2	I-5	*Q23	B-6	RV7	H-4		
IC1	I-3	IC21	C-3	Q4	J-2	*Q24	C-6	RV8	F-5		
*IC2	H-2	IC22	D-4	*Q5	I-2	*Q25	B-6	RV9	H-5		

C-23



ES-4/4P - B SIDE -

1-643-110-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

ES-4/4P (1-643-110-11)

\*: B SIDE

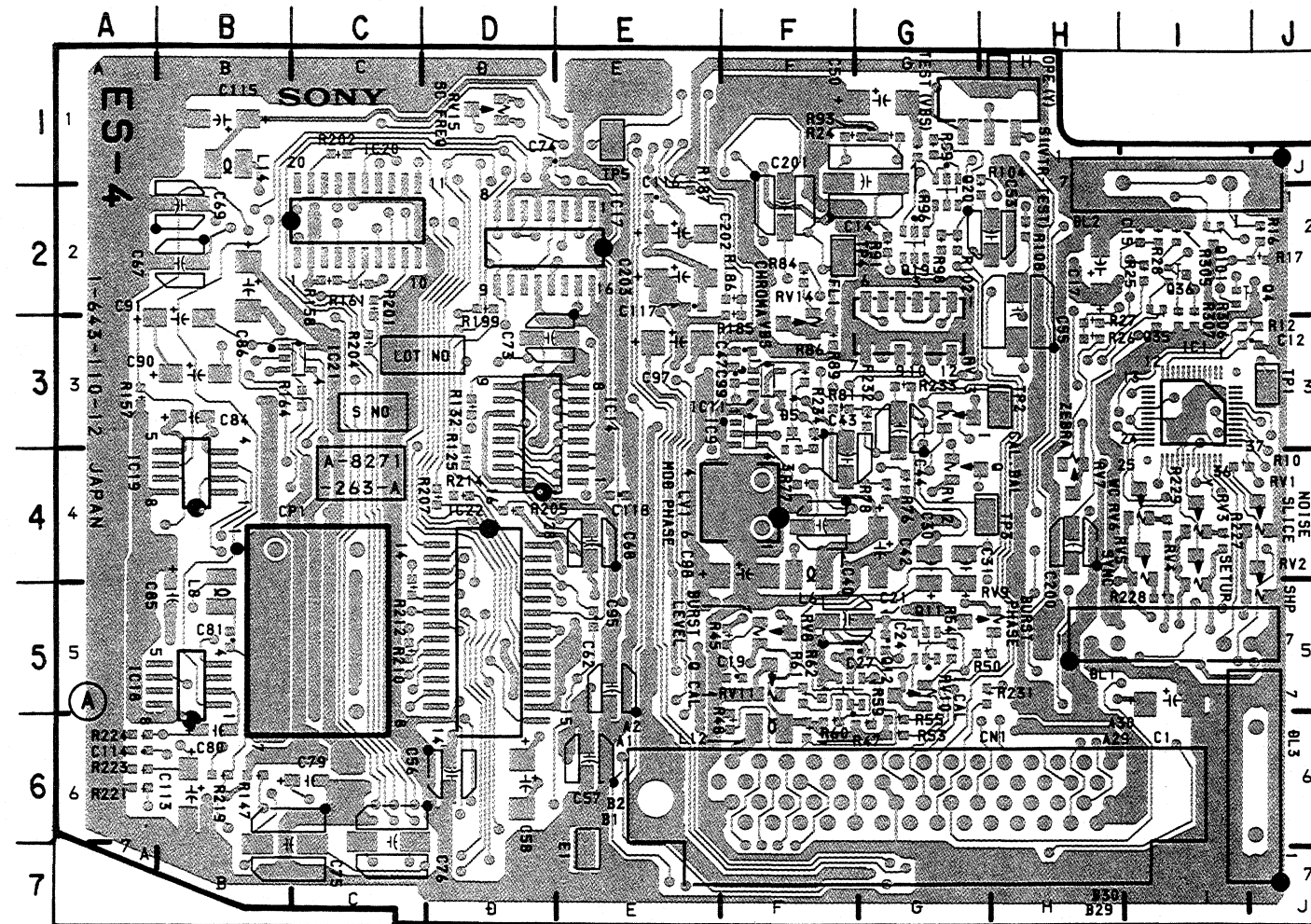
CN1	H-6	*IC3	H-3	LV1	E-4	*Q6	H-4	*Q26	B-5	RV10	G-5
		*IC4	E-2			*Q7	H-5	*Q30	H-3	RV12	G-4
CP1	C-4	*IC5	E-3	*L1	G-7	*Q8	E-2	*Q31	H-4	RV13	H-3
		*IC6	F-5	*L3	D-6	*Q9	E-2	*Q32	B-5	RV14	F-2
DL1	H-5	*IC7	E-4	*L4	H-5	*Q10	F-5	*Q33	A-5	RV15	D-1
DL2	H-2	*IC8	G-4	*L5	G-5	Q11	G-5	*Q34	B-4		
DL3	J-6	IC9	E-3	L6	F-5	Q12	G-5	Q35	I-3	S1	H-1
		*IC10	F-3	*L7	E-5	*Q13	F-5	Q36	I-2		
*D1	H-4	IC11	F-3	L8	B-5	*Q14	G-4	*Q100	I-7	TP1	J-3
*D2	B-7	*IC12	C-2	*L9	C-5	*Q15	H-4	Q101	I-2	TP2	H-3
*D3	C-2	*IC13	C-4	*L10	E-5	*Q16	F-2			TP3	H-4
*D4	C-4	IC14	E-3	*L11	E-5	*Q17	F-2	RV1	J-4	TP4	G-2
D5	F-3	*IC15	D-3	L12	E-6	*Q18	G-1	RV2	J-4	TP5	E-1
		*IC16	D-2	*L13	B-6	Q19	G-2	RV3	I-4		
E1	E-7	IC17	E-2	L14	B-1	Q20	G-2	RV4	I-4		
		IC18	A-5			*Q21	H-2	RV5	H-4		
FL1	G-3	IC19	A-4	*Q1	I-6	*Q22	H-2	RV6	H-4		
		IC20	C-1	*Q2	I-5	*Q23	B-6	RV7	H-4		
IC1	I-3	IC21	C-3	Q4	J-2	*Q24	C-6	RV8	F-5		
*IC2	H-2	IC22	D-4	*Q5	I-2	*Q25	B-6	RV9	H-5		

C-24

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

ES-4/4P BOARD

SERIAL No. 10951 and higher (UC)  
30741 and higher (J)  
40901 and higher (EK)



ES-4/4P — A SIDE —

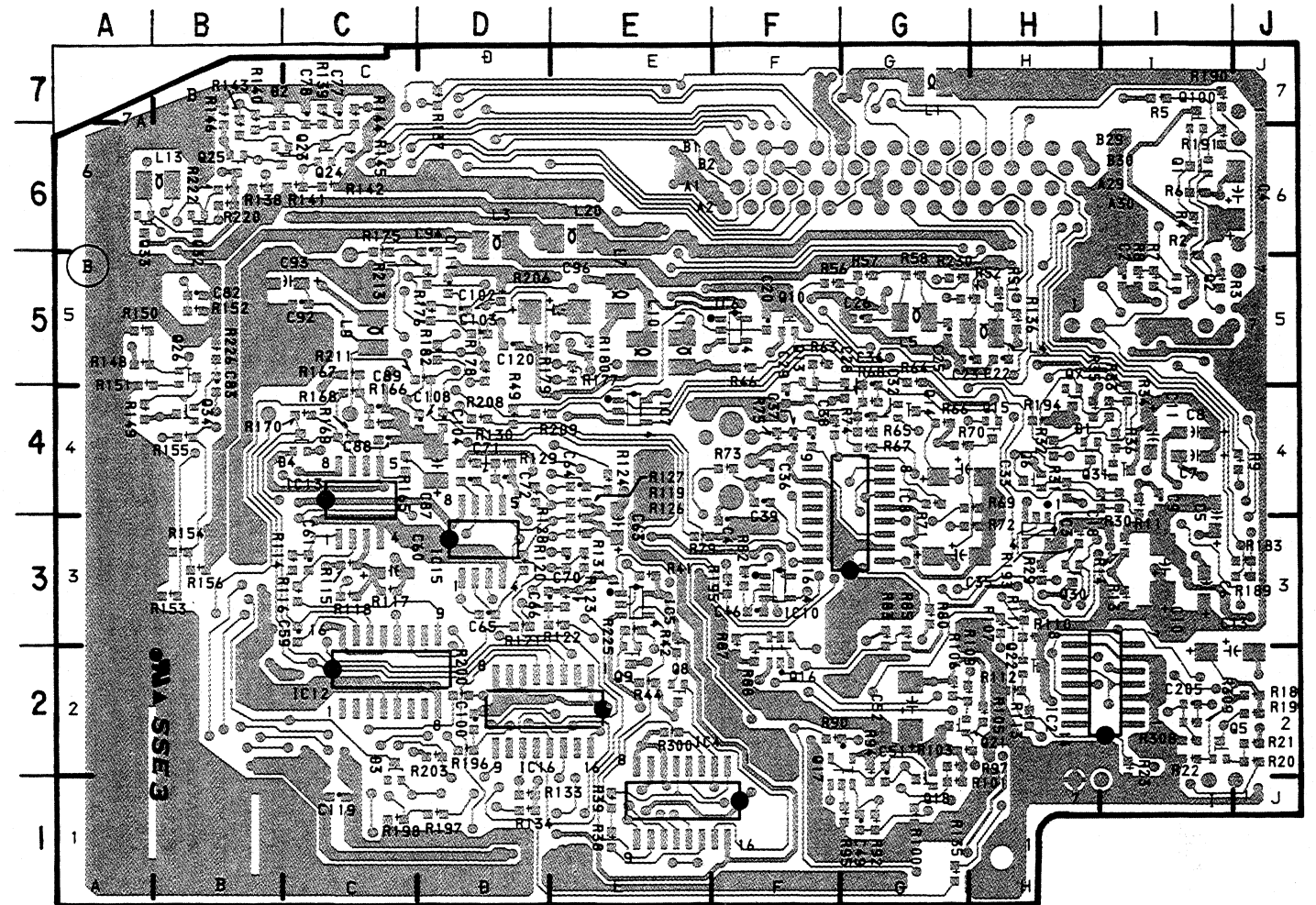
1-643-110-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

ES-4/4P (1-643-110-12)

+: B SIDE

CN1	H-6	*IC3	H-3	LV1	E-4	*Q5	I-2	*Q25	B-6	RV9	H-5
		*IC4	E-2			*Q6	H-4	*Q26	B-5	RV10	G-5
CP1	C-4	*IC5	E-3	*L1	G-7	*Q7	H-5	*Q30	H-3	RV12	G-4
		*IC6	F-5	*L3	D-6	*Q8	E-2	*Q31	H-4	RV13	H-3
DL1	H-5	*IC7	E-4	*L4	H-5	*Q9	E-2	*Q32	B-5	RV14	F-2
DL2	H-2	*IC8	G-4	*L5	G-5	*Q10	F-5	*Q33	A-5	RV15	D-1
DL3	J-6	*IC9	E-3	*L6	F-5	*Q11	G-5	*Q34	B-4		
		*IC10	F-3	*L7	E-5	*Q12	G-5	*Q35	I-3	S1	H-1
*D1	H-4	*IC11	F-3	*L8	B-5	*Q13	F-5	*Q36	I-2		
*D2	B-7	*IC12	C-2	*L9	C-5	*Q14	G-4	*Q100	I-7	TP1	J-3
*D3	C-2	*IC13	C-4	*L10	E-5	*Q15	H-4	*Q101	I-2	TP2	H-3
*D4	C-4	*IC14	E-3	*L11	E-5	*Q16	F-2			TP3	H-4
D5	F-3	*IC15	D-3	*L12	E-6	*Q17	F-2	RV1	J-4	TP4	G-2
		*IC16	D-2	*L13	B-6	*Q18	G-1	RV2	J-4	TP5	E-1
E1	E-7	*IC17	E-2	*L14	B-1	*Q19	G-2	RV3	I-4		
		*IC18	A-5	*L20	E-6	*Q20	G-2	RV4	I-4		
FL1	F-2	*IC19	A-4			*Q21	H-2	RV5	H-4		
		*IC20	C-1			*Q22	H-2	RV6	H-4		
IC1	I-3	*IC21	C-3	*Q1	I-6	*Q23	B-6	RV7	H-4		
*IC2	H-2	*IC22	D-4	*Q2	I-5	*Q24	C-6	RV8	F-5		

C-25(a)



ES-4/4P — B SIDE —

1-643-110-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

ES-4/4P (1-643-110-12)

+: B SIDE

CN1	H-6	*IC3	H-3	LV1	E-4	*Q5	I-2	*Q25	B-6	RV9	H-5
		*IC4	E-2			*Q6	H-4	*Q26	B-5	RV10	G-5
CP1	C-4	*IC5	E-3	*L1	G-7	*Q7	H-5	*Q30	H-3	RV12	G-4
		*IC6	F-5	*L3	D-6	*Q8	E-2	*Q31	H-4	RV13	H-3
DL1	H-5	*IC7	E-4	*L4	H-5	*Q9	E-2	*Q32	B-5	RV14	F-2
DL2	H-2	*IC8	G-4	*L5	G-5	*Q10	F-5	*Q33	A-5	RV15	D-1
DL3	J-6	*IC9	E-3	*L6	F-5	*Q11	G-5	*Q34	B-4		
		*IC10	F-3	*L7	E-5	*Q12	G-5	*Q35	I-3	S1	H-1
*D1	H-4	*IC11	F-3	*L8	B-5	*Q13	F-5	*Q36	I-2		
*D2	B-7	*IC12	C-2	*L9	C-5	*Q14	G-4	*Q100	I-7	TP1	J-3
*D3	C-2	*IC13	C-4	*L10	E-5	*Q15	H-4	*Q101	I-2	TP2	H-3
*D4	C-4	*IC14	E-3	*L11	E-5	*Q16	F-2			TP3	H-4
D5	F-3	*IC15	D-3	*L12	E-6	*Q17	F-2	RV1	J-4	TP4	G-2
		*IC16	D-2	*L13	B-6	*Q18	G-1	RV2	J-4	TP5	E-1
E1	E-7	*IC17	E-2	*L14	B-1	*Q19	G-2	RV3	I-4		
		*IC18	A-5	*L20	E-6	*Q20	G-2	RV4	I-4		
FL1	F-2	*IC19	A-4			*Q21	H-2	RV5	H-4		
		*IC20	C-1			*Q22	H-2	RV6	H-4		
IC1	I-3	*IC21	C-3	*Q1	I-6	*Q23	B-6	RV7	H-4		
*IC2	H-2	*IC22	D-4	*Q2	I-5	*Q24	C-6	RV8	F-5		

C-26(a)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



# ES-4 BOARD

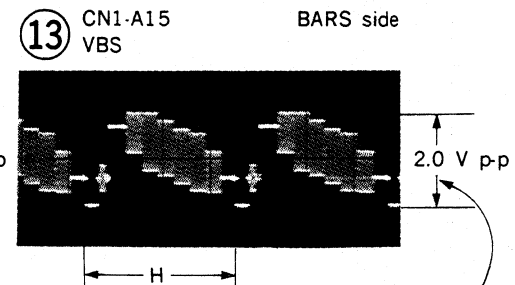
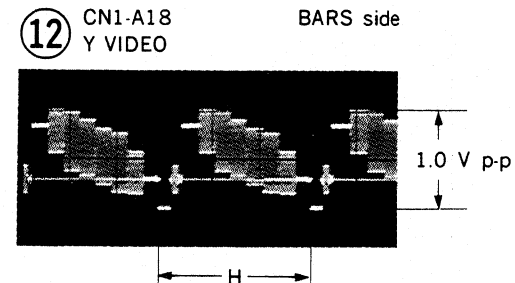
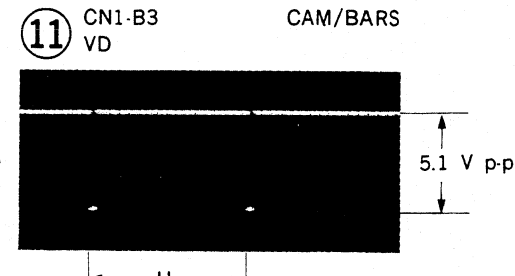
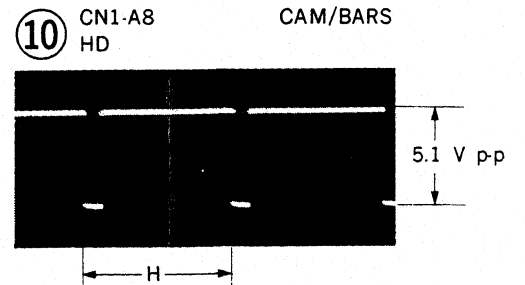
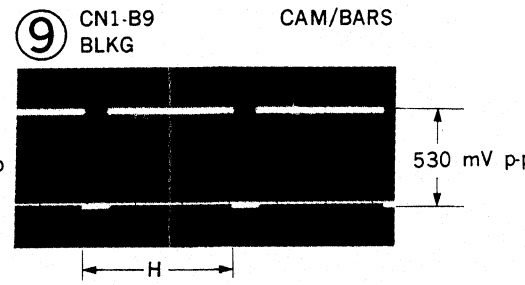
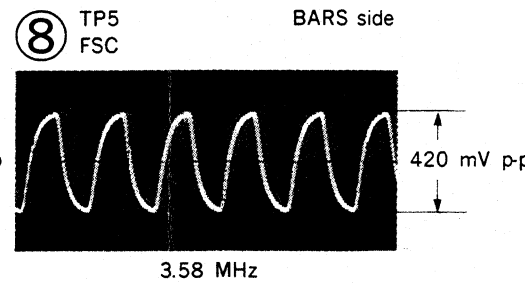
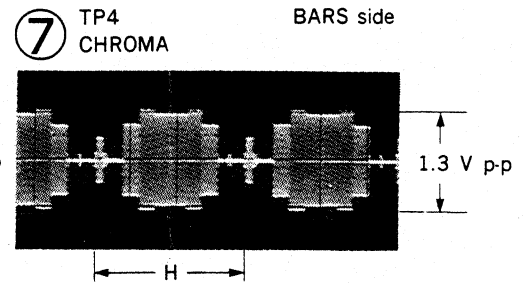
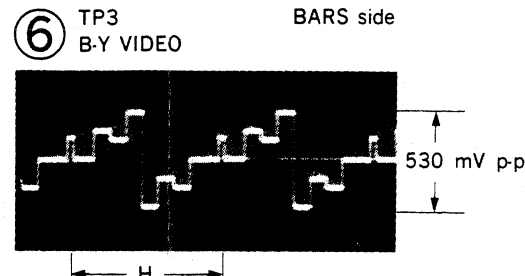
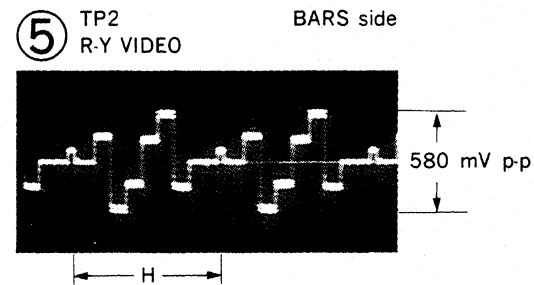
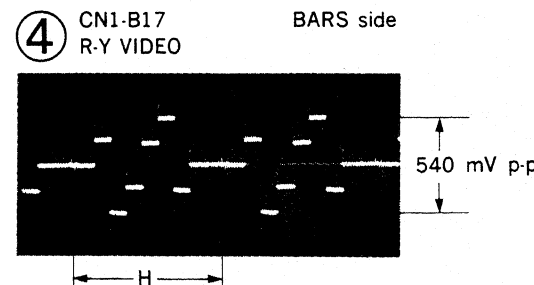
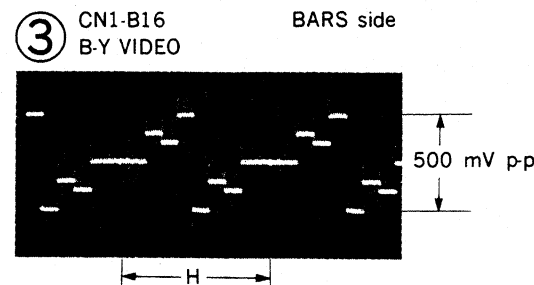
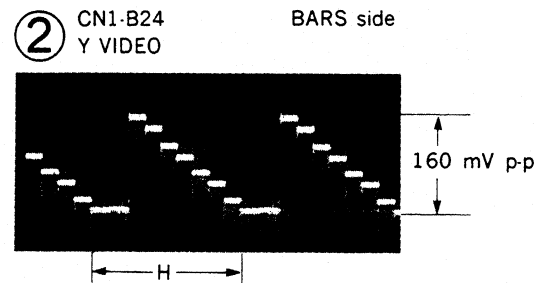
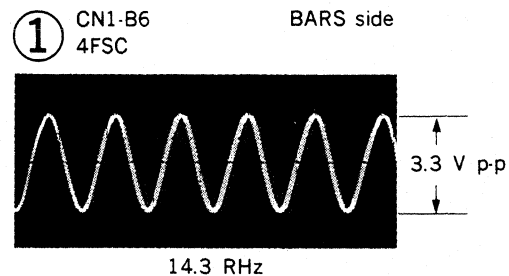
NTSC

## 注意：

- DC 電圧はデジタル電圧計による値。  
No Mark : BARS side
- 波形写真, 及び DC 電圧は下記条件での測定。  
・グレースケールチャートを撮影し, 波形モニターにて, ビデオ出力の白レベルが100IRE になる様にレンズ絞りをセットする。  
・OUTPUT : BARS  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

## NOTE :

- All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side
- All waveforms are taken and DC voltage is measured in condition below.  
・Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE on the waveform monitor.  
・OUTPUT : BARS  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF



・75Ω 終端なし  
・without 75 Ω termination

# ES-4P BOARD

PAL

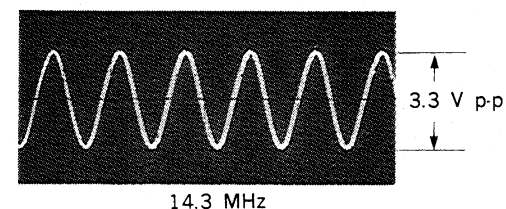
## 注意：

- DC 電圧はデジタル電圧計による値。  
No Mark : BARS side
- 波形写真, 及び DC 電圧は下記条件での測定。  
・グレースケールチャートを撮像し, 波形モニターにて, ビデオ出力の白レベルが700 mV になる様にレンズ絞りをセットする。  
・OUTPUT : BARS  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

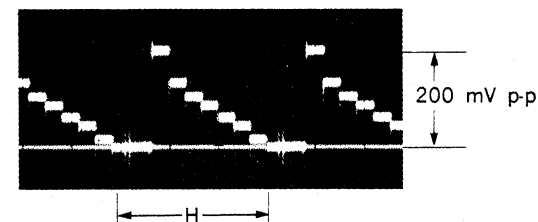
## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side
- All waveforms are taken and DC voltage is measured in condition below.  
・Shoot the grayscale chart. Ajust lens iris so that a white level is 700 mV on the waveform monitor.  
・OUTPUT : BARS  
・GAIN : 0dB  
・WHITE BAL : PRE  
・SHUTTER : OFF

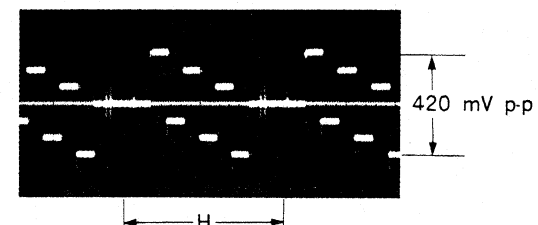
① CN1-B6 4FSC BARS side



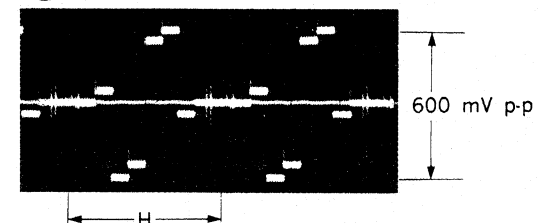
② CN1-B24 Y VIDEO BARS side



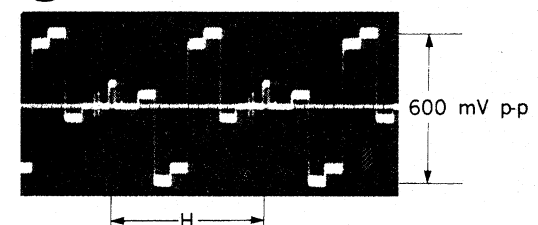
③ CN1-B16 B-Y VIDEO BARS side



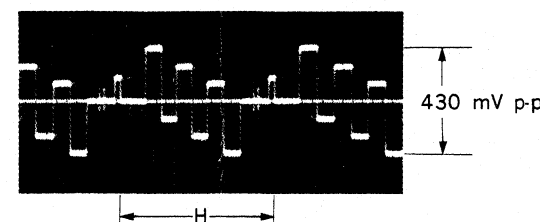
④ CN1-B17 R-Y VIDEO BARS side



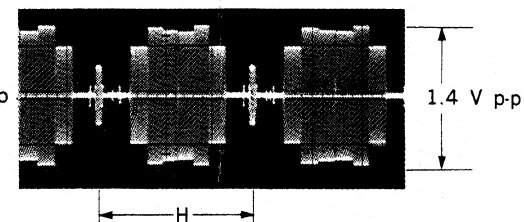
⑤ TP2 R-Y VIDEO BARS side



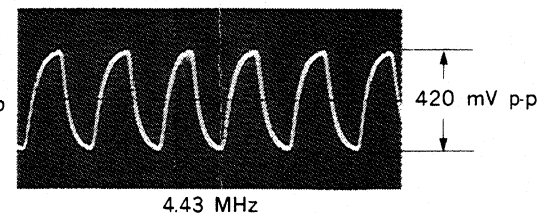
⑥ TP3 B-Y VIDEO BARS side



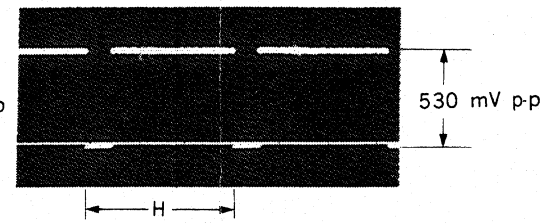
⑦ TP4 CHROMA BARS side



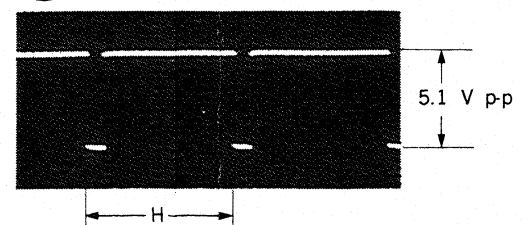
⑧ TP5 FSC BARS side



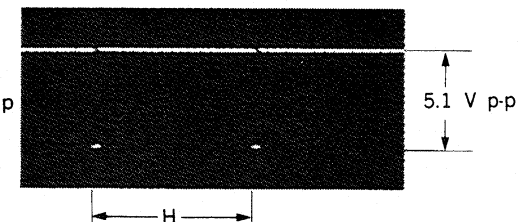
⑨ CN1-B9 BLKG CAM/BARS



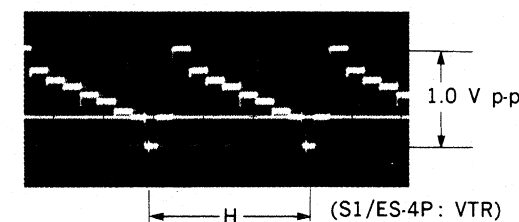
⑩ CN1-A8 HD CAM/BARS



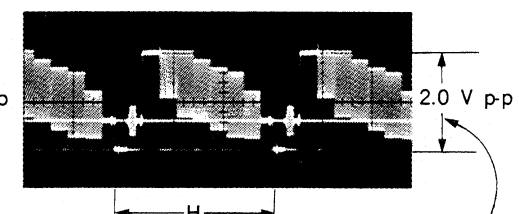
⑪ CN1-B3 VD CAM/BARS



⑫ CN1-A18 Y VIDEO BARS side



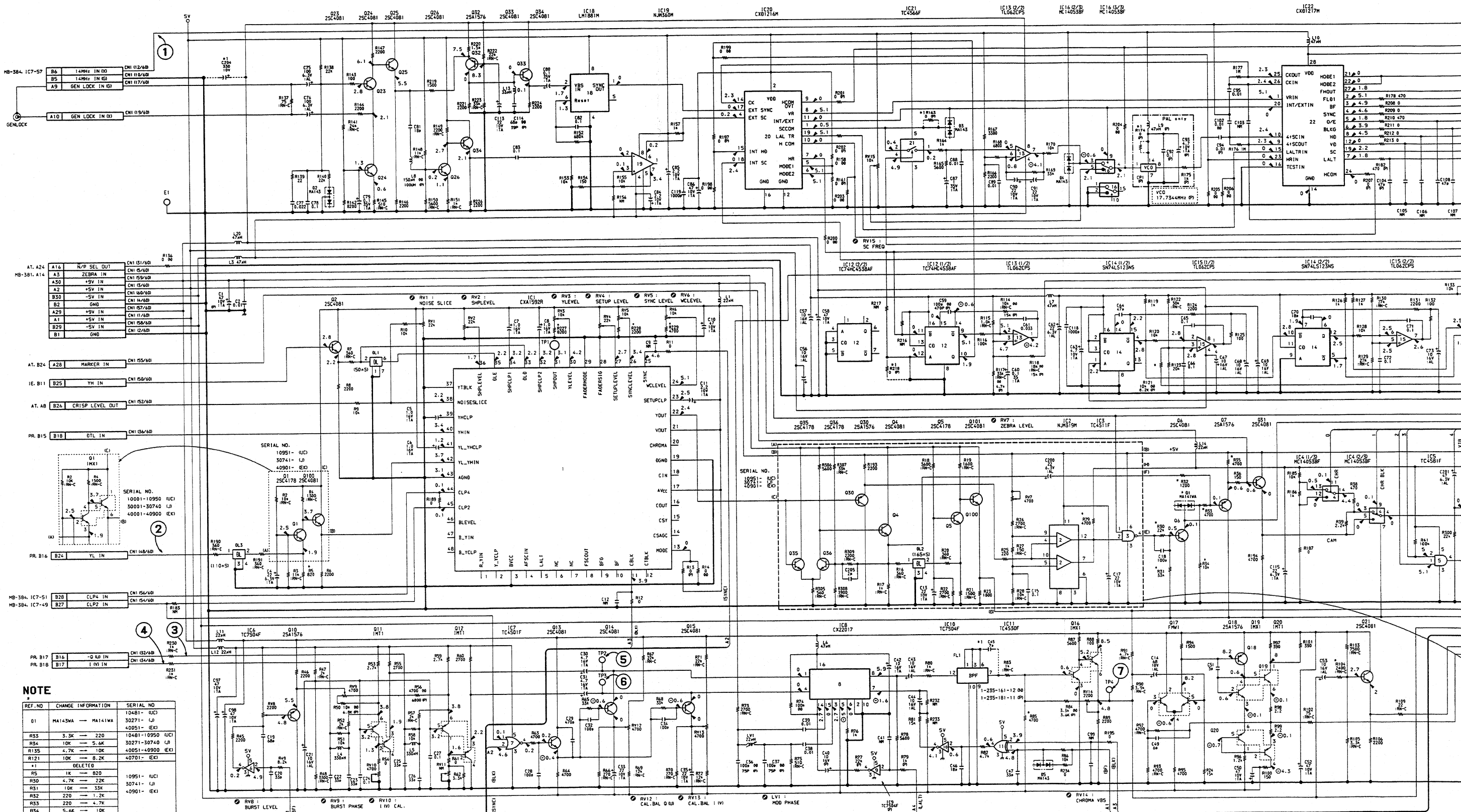
⑬ CN1-A15 VBS BARS side



・75Ω 終端なし  
・without 75 Ω termination

ENCODER, SYNC GENERATOR

ES-4/4P ES-4/4P



NOTE

REF. NO.	CHANGE INFORMATION	SERIAL NO.
D1	MA143MA → MA141MA	10481- (UC) 30271- LJ 40051- (EK)
R33	5.3K → 220	10481-10950 (UC)
R54	10K → 5.6K	30271-30740 LJ 40051-40900 (EK)
R135	4.7K → 10K	40051-40900 (EK)
R121	10K → 8.2K	40701- (EK)
*1	DELETED	
R5	1K → 820	10951- (UC)
R30	4.7K → 22K	30741- LJ
R31	10K → 33K	40901- (EK)
R32	220 → 1.2K	
R33	220 → 4.7K	
R34	5.6K → 10K	
R35	6.8K → 4.7K	
R85	15K → 4.7K	
R104	2.2K → 2.4K	
R135	10K → 18K	
R228	22K → 8.2K	
R227	10K → 2.2K	
R229	10K → 4.7K	
R29	1K → 4.7K	11801- (UC) 51326- LJ 42001- (EK)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-29

C-30

A

B

C

D

E

F

G

H



3

4

5

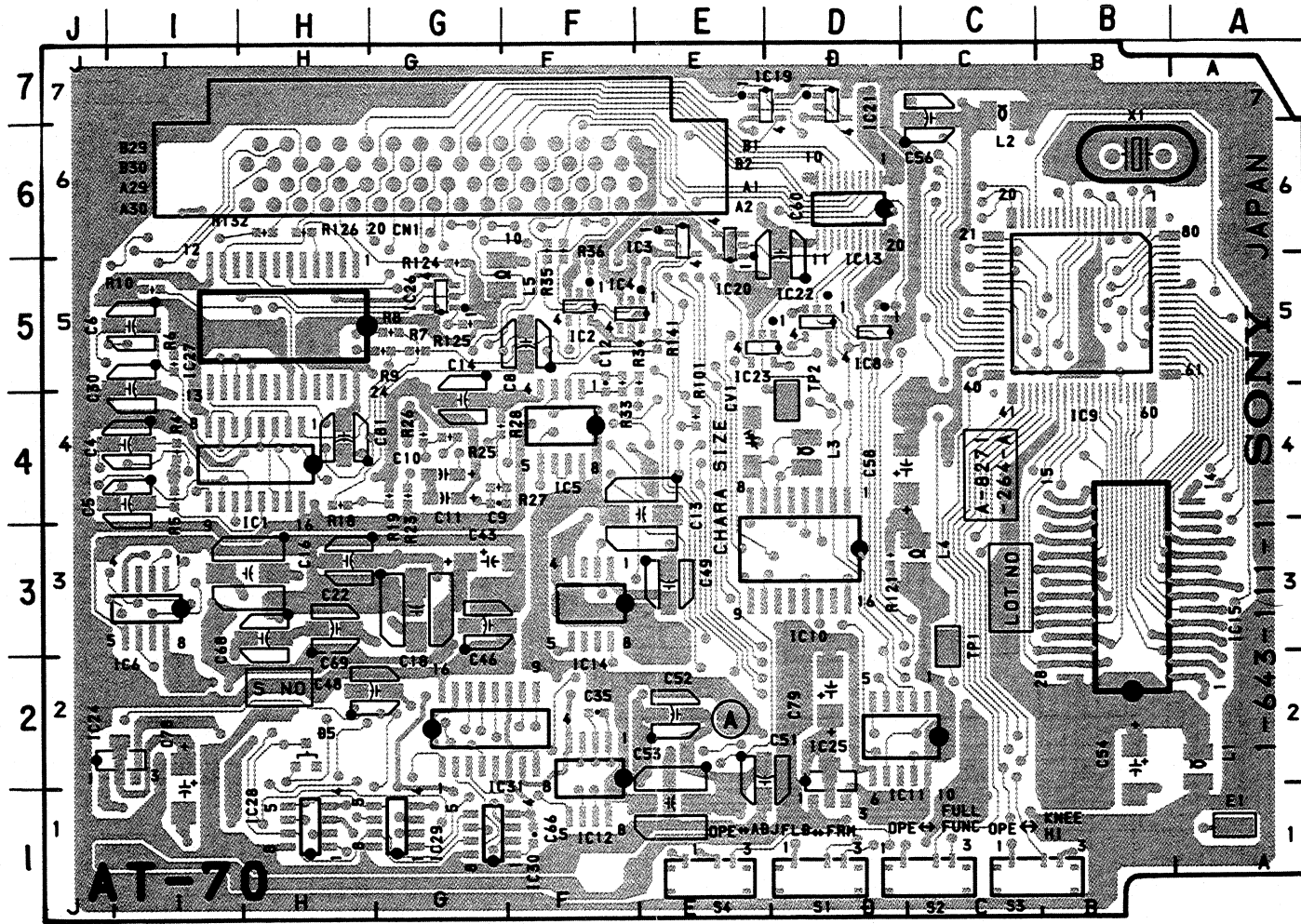
B-WEVW300-ES4/M





## AT-70 BOARD

**SERIAL No. 10001—10590 (UC)**  
**30001—30420 (J)**  
**40001—40560 (EK)**



**AT-70 — A SIDE —**

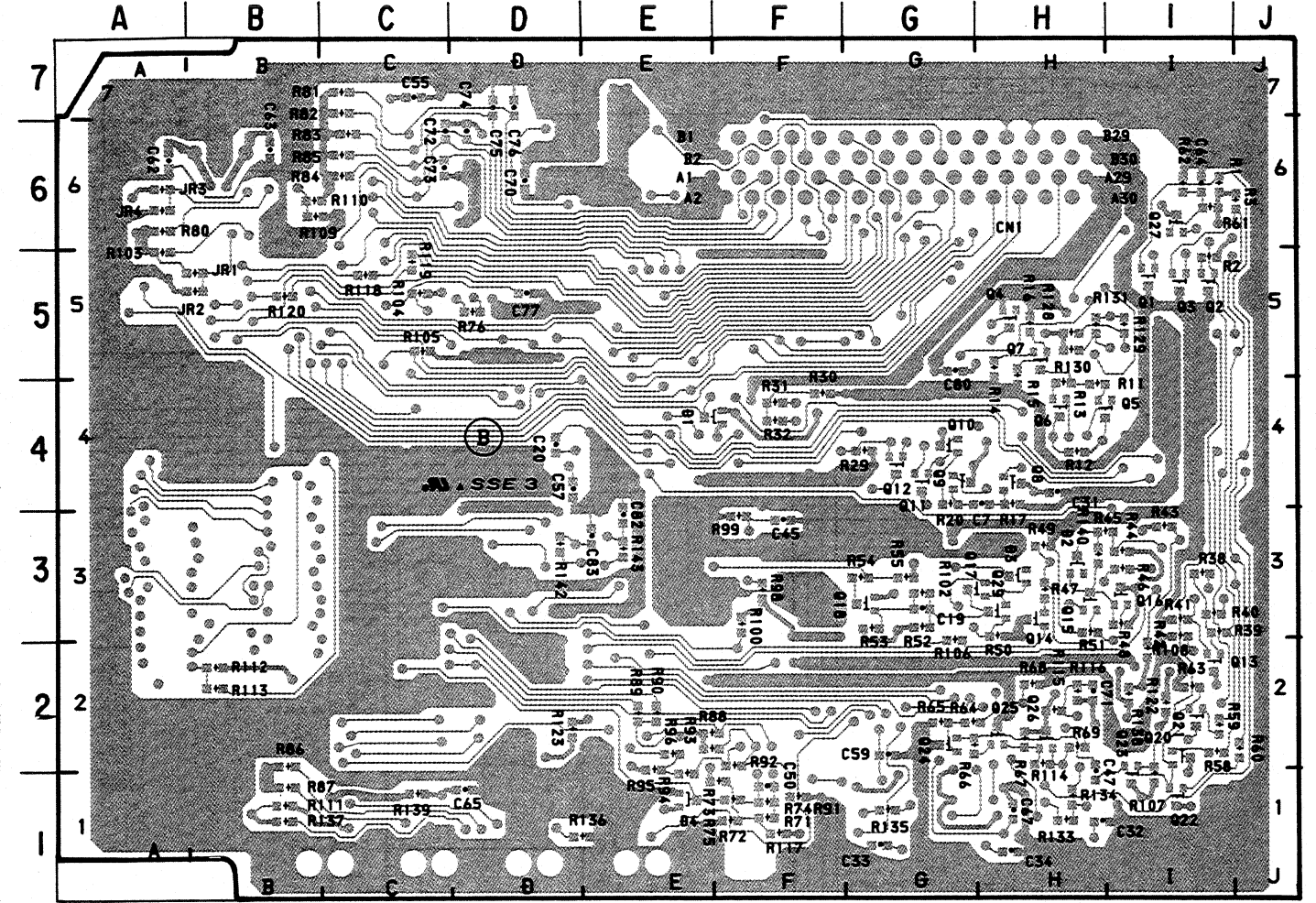
1-643-111-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

AT-70 (1-643-111-11)

\*: B SIDE

CN1	G-6	IC13	D-5	L1	A-2	*Q16	I-3	X1	B-7
		IC14	F-2	L2	C-6	*Q17	G-3		
*D1	E-4	IC15	A-3	L3	D-4	*Q18	F-3		
*D3	H-3	IC19	D-7	L4	C-3	*Q20	I-2		
*D4	E-1	IC20	E-5	L5	F-5	*Q21	I-2		
D5	H-2	IC21	D-7			*Q22	I-1		
		IC22	D-5	*Q1	I-5	*Q23	I-2		
E1	A-1	IC23	E-5	*Q2	I-5	*Q24	G-2		
		IC24	J-2	*Q3	I-5	*Q25	H-2		
IC1	H-4	IC25	D-2	*Q5	I-4	*Q26	H-2		
IC2	F-5	IC26	G-5	*Q6	H-4	*Q27	I-6		
IC3	E-6	IC27	I-5	*Q7	H-5	*Q29	H-3		
IC4	F-5	IC28	H-1	*Q8	H-4				
IC5	F-4	IC29	G-1	*Q9	H-4	S1	D-1		
IC6	I-2	IC30	F-1	*Q10	G-4	S2	C-1		
IC8	D-5	IC31	F-1	*Q11	G-4	S3	C-1		
IC9	B-4			*Q12	G-4	S4	E-1		
IC10	D-3	*JR2	B-5	*Q13	J-2				
IC11	C-1	*JR3	B-6	*Q14	H-3	TP1	C-3		
IC12	F-1			*Q15	H-3	TP2	D-5		

C-33



**AT-70 — B SIDE —**

1-643-111-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

AT-70 (1-643-111-11)

\*: B SIDE

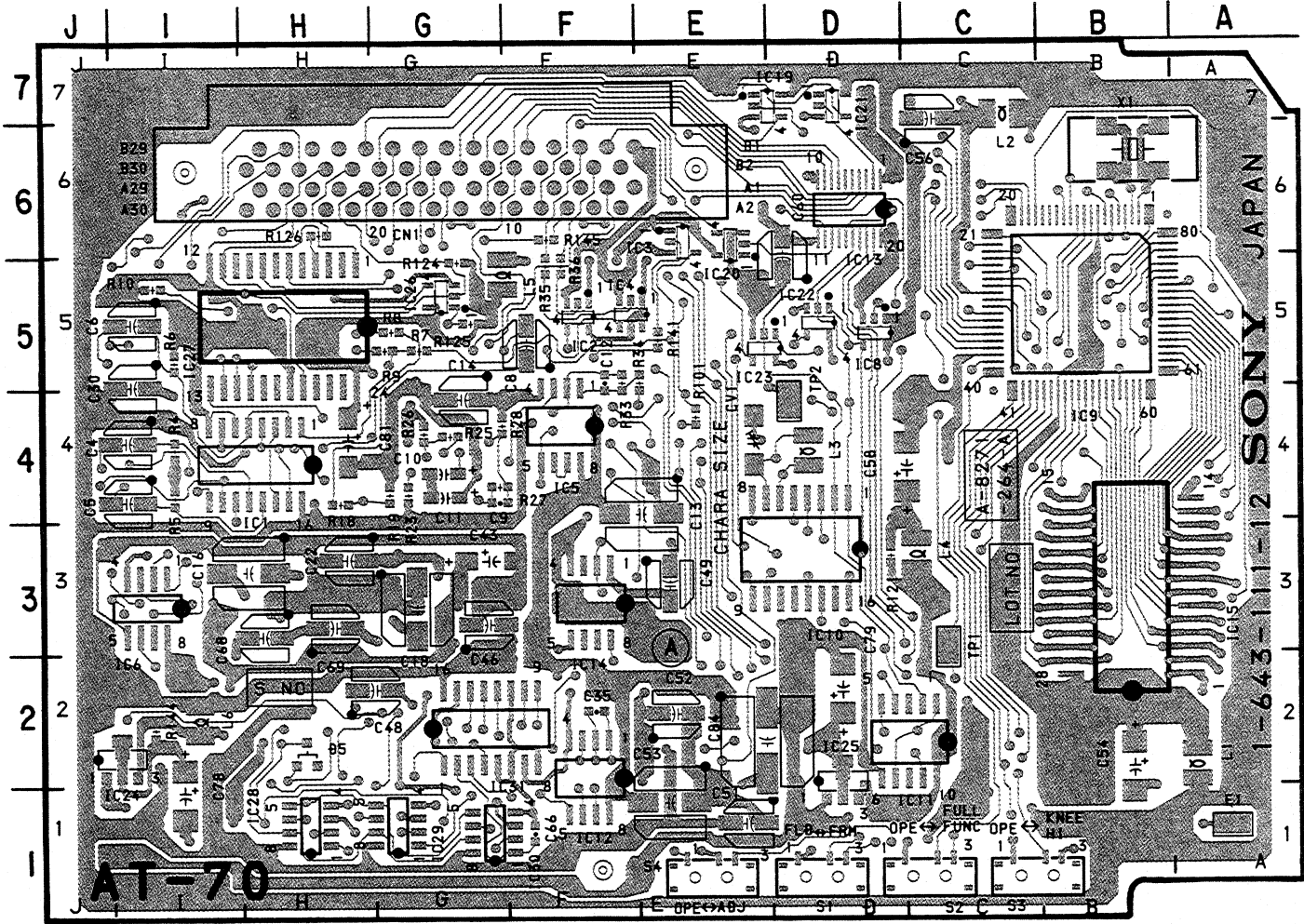
CN1	G-6	IC13	D-5	L1	A-2	*Q16	I-3	X1	B-7
		IC14	F-2	L2	C-6	*Q17	G-3		
*D1	E-4	IC15	A-3	L3	D-4	*Q18	F-3		
*D3	H-3	IC19	D-7	L4	C-3	*Q20	I-2		
*D4	E-1	IC20	E-5	L5	F-5	*Q21	I-2		
D5	H-2	IC21	D-7			*Q22	I-1		
		IC22	D-5	*Q1	I-5	*Q23	I-2		
E1	A-1	IC23	E-5	*Q2	I-5	*Q24	G-2		
		IC24	J-2	*Q3	I-5	*Q25	H-2		
IC1	H-4	IC25	D-2	*Q5	I-4	*Q26	H-2		
IC2	F-5	IC26	G-5	*Q6	H-4	*Q27	I-6		
IC3	E-6	IC27	I-5	*Q7	H-5	*Q29	H-3		
IC4	F-5	IC28	H-1	*Q8	H-4				
IC5	F-4	IC29	G-1	*Q9	H-4	S1	D-1		
IC6	I-2	IC30	F-1	*Q10	G-4	S2	C-1		
IC8	D-5	IC31	F-1	*Q11	G-4	S3	C-1		
IC9	B-4			*Q12	G-4	S4	E-1		
IC10	D-3	*JR2	B-5	*Q13	J-2				
IC11	C-1	*JR3	B-6	*Q14	H-3	TP1	C-3		
IC12	F-1			*Q15	H-3	TP2	D-5		

C-34

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

AT-70 BOARD

SERIAL No. 10591 and higher (UC)  
30421 and higher (J)  
40561 and higher (EK)

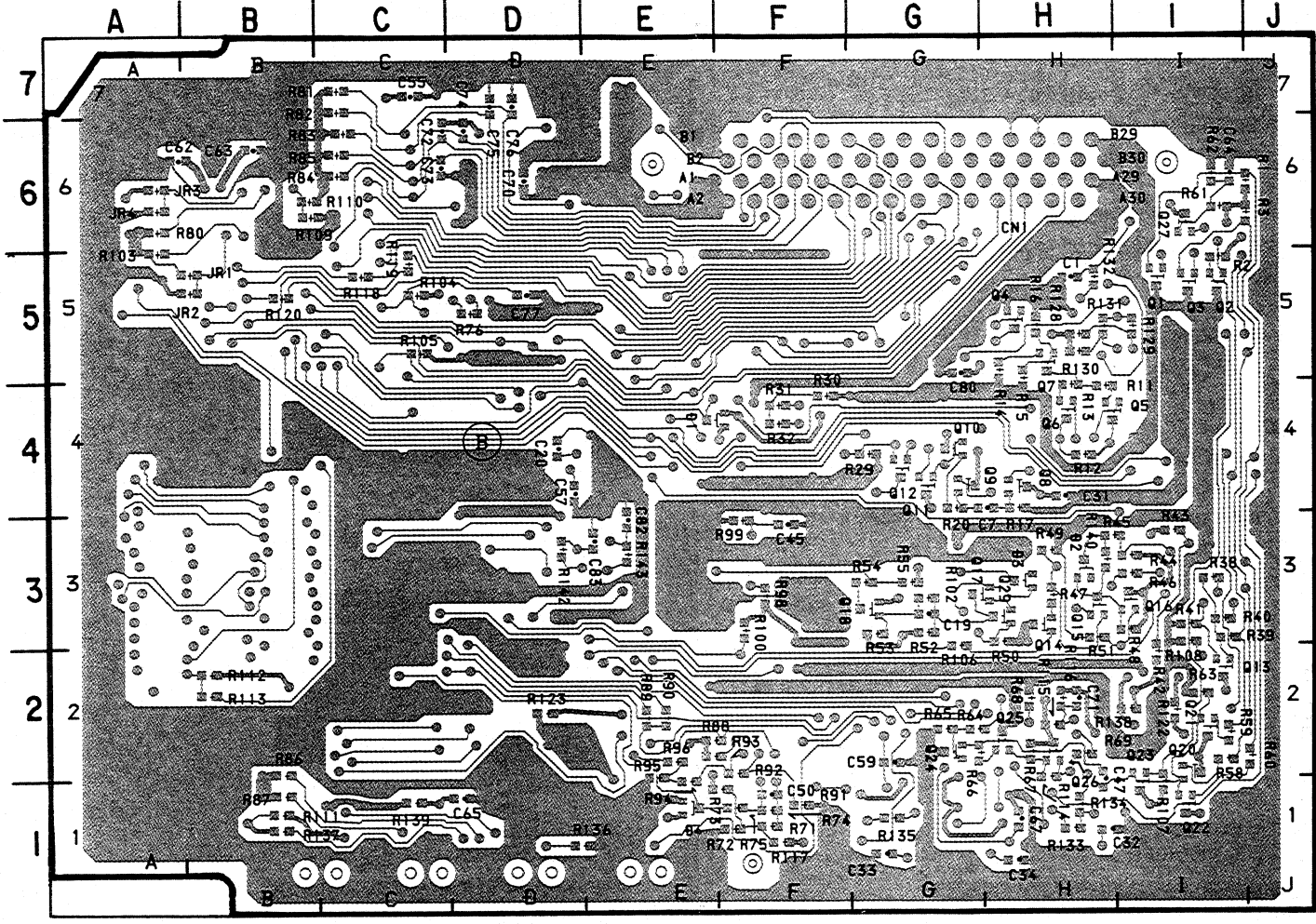


AT-70 — A SIDE —  
1-643-111-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

AT-70 (1-643-111-12)

\*: B SIDE

CN1	G-6	IC13	D-5	L2	C-6	*Q16	I-3	X1	B-7
		IC14	F-2	L3	D-4	*Q17	G-3		
*D1	E-4	IC15	A-3	L4	C-3	*Q18	F-3		
*D3	H-3	IC19	D-7	L5	F-5	*Q20	I-2		
*D4	E-1	IC20	E-5	L6	I-2	*Q21	I-2		
D5	H-2	IC21	D-7			*Q22	I-1		
		IC22	D-5	*Q1	I-5	*Q23	I-2		
E1	A-1	IC23	E-5	*Q2	I-5	*Q24	G-2		
		IC25	D-2	*Q3	I-5	*Q25	H-2		
IC1	H-4	IC26	G-5	*Q5	I-4	*Q26	H-1		
IC2	F-5	IC27	I-5	*Q6	H-4	*Q27	I-6		
IC3	E-6	IC28	H-1	*Q7	H-4	*Q29	H-3		
IC4	F-5	IC29	G-1	*Q8	H-4				
IC5	F-4	IC30	F-1	*Q9	H-4	S1	D-1		
IC6	I-2	IC31	F-1	*Q10	G-4	S2	C-1		
IC8	D-5			*Q11	G-4	S3	C-1		
IC9	B-4	*JR2	B-5	*Q12	G-4	S4	E-1		
IC10	D-3	*JR3	B-6	*Q13	J-2				
IC11	C-1			*Q14	H-3	TP1	C-3		
IC12	F-1	L1	A-2	*Q15	H-3	TP2	D-5		



AT-70 — B SIDE —  
1-643-111-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

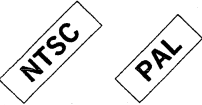
AT-70 (1-643-111-12)

\*: B SIDE

CN1	G-6	IC13	D-5	L2	C-6	*Q16	I-3	X1	B-7
		IC14	F-2	L3	D-4	*Q17	G-3		
*D1	E-4	IC15	A-3	L4	C-3	*Q18	F-3		
*D3	H-3	IC19	D-7	L5	F-5	*Q20	I-2		
*D4	E-1	IC20	E-5	L6	I-2	*Q21	I-2		
D5	H-2	IC21	D-7			*Q22	I-1		
		IC22	D-5	*Q1	I-5	*Q23	I-2		
E1	A-1	IC23	E-5	*Q2	I-5	*Q24	G-2		
		IC25	D-2	*Q3	I-5	*Q25	H-2		
IC1	H-4	IC26	G-5	*Q5	I-4	*Q26	H-1		
IC2	F-5	IC27	I-5	*Q6	H-4	*Q27	I-6		
IC3	E-6	IC28	H-1	*Q7	H-4	*Q29	H-3		
IC4	F-5	IC29	G-1	*Q8	H-4				
IC5	F-4	IC30	F-1	*Q9	H-4	S1	D-1		
IC6	I-2	IC31	F-1	*Q10	G-4	S2	C-1		
IC8	D-5			*Q11	G-4	S3	C-1		
IC9	B-4	*JR2	B-5	*Q12	G-4	S4	E-1		
IC10	D-3	*JR3	B-6	*Q13	J-2				
IC11	C-1			*Q14	H-3	TP1	C-3		
IC12	F-1	L1	A-2	*Q15	H-3	TP2	D-5		

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

# AT-70 BOARD

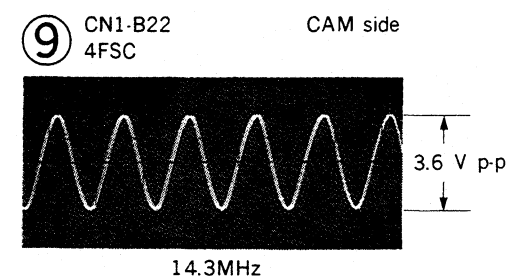
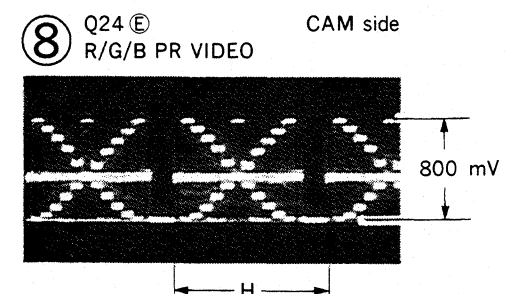
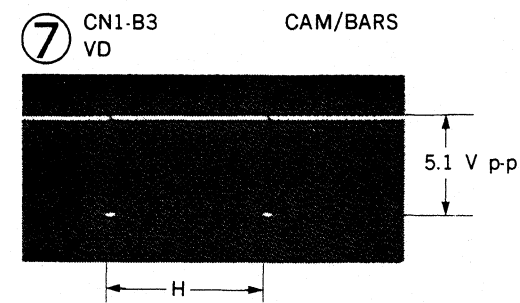
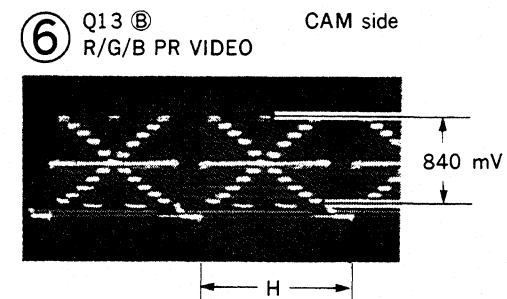
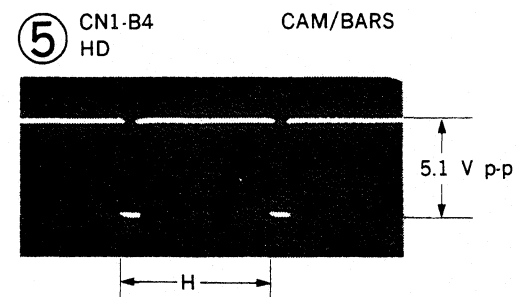
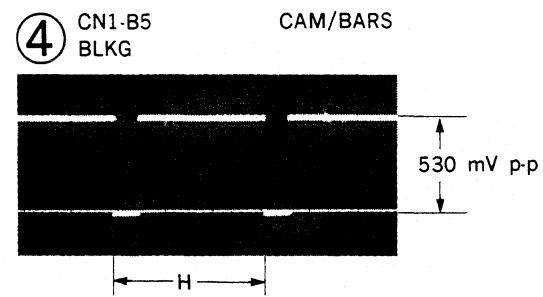
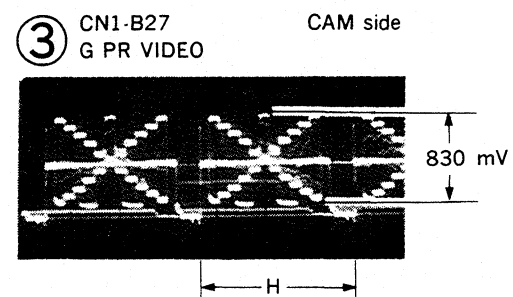
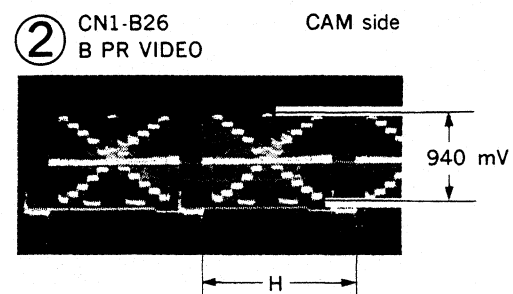
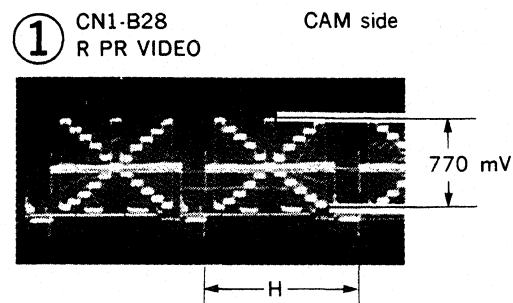


## 注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : CAM side
- 波形写真, 及び DC 電圧は下記条件での測定。
  - グレースケールチャートを撮像し, 波形モニターにて, ビデオ出力の白レベルが100IRE (NTSC) または700 mV (PAL) になる様にレンズ絞りをセットする。
  - OUTPUT : CAM
  - GAIN : 0dB
  - WHITE BAL : PRE
  - SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : CAM side
- All waveforms are taken and DC voltage is measured in condition below.
  - Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE (for NTSC) or 700 mV (for PAL) on the waveform monitor.
  - OUTPUT : CAM
  - GAIN : 0dB
  - WHITE BAL : PRE
  - SHUTTER : OFF



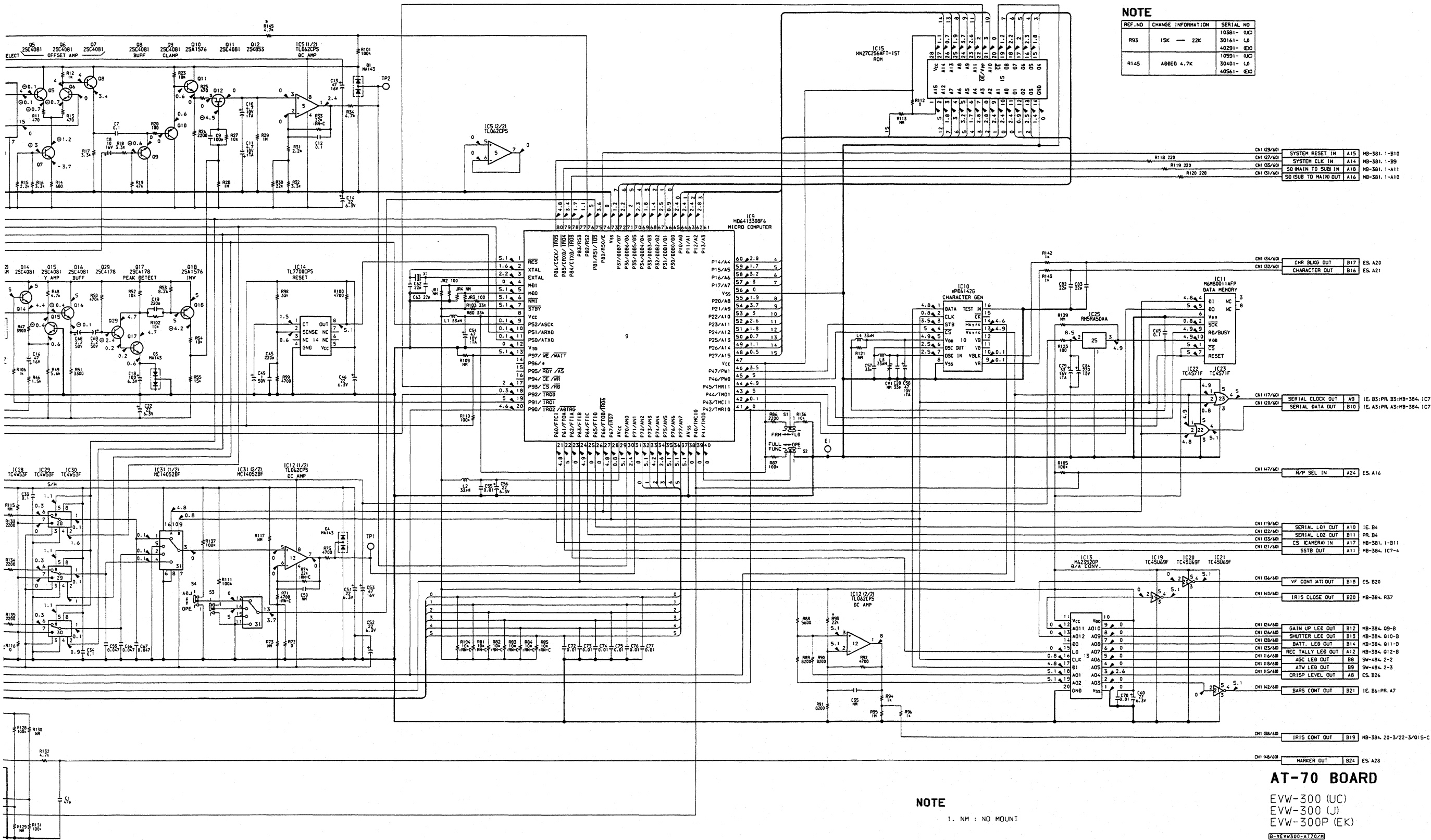


## CAMERA SYSTEM CONTROL



C-39

C-40



NOTE

REF. NO	CHANGE INFORMATION	SERIAL NO
R93	15K → 22K	10381- JUC 30161- LJ 40291- EKO
R145	4800 4.7K	10591- JUC 30401- LJ 40561- EKO

CH1 02/40	SYSTEM RESET IN	A15	MB-381. 1-B10
CH1 02/40	SYSTEM CLK IN	A14	MB-381. 1-B9
CH1 05/40	SD MAIN TO SUB IN	A18	MB-381. 1-A11
CH1 01/40	SD SUB TO MAIN OUT	A16	MB-381. 1-A10

CH1 02/40	CHR BLK OUT	B17	ES. A20
CH1 02/40	CHARACTER OUT	B16	ES. A21

CH1 07/40	SERIAL CLOCK OUT	A9	IE. B5:PR. B3:MB-384. IC7-5
CH1 02/40	SERIAL DATA OUT	B10	IE. A5:PR. A3:MB-384. IC7-6

CH1 11/40	SERIAL L01 OUT	A10	IE. B4
CH1 02/40	SERIAL L02 OUT	B11	PR. B4
CH1 03/40	CS CAMERA IN	A17	MB-381. 1-B11
CH1 01/40	SSTB OUT	A11	MB-384. IC7-4

CH1 06/40	VF CONT (AT) OUT	B18	ES. B20
CH1 10/40	IRIS CLOSE OUT	B20	MB-384. R37

CH1 04/40	GAIN UP LED OUT	B12	MB-384. 09-B
CH1 04/40	SHUTTER LED OUT	B13	MB-384. 010-B
CH1 02/40	BATT. LED OUT	B14	MB-384. 011-B
CH1 03/40	REC TALLY LED OUT	A12	MB-384. 012-B
CH1 11/40	ASC LED OUT	B8	SW-484. 2-2
CH1 11/40	ATV LED OUT	B9	SW-484. 2-3
CH1 11/40	CRISP LEVEL OUT	A8	ES. B26

CH1 12/40	BARS CONT OUT	B21	IE. B6:PR. A7
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CH1 08/40	IRIS CONT OUT	B19	MB-384. 20-3/22-3/015-C
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CH1 08/40	MARKER OUT	B24	ES. A28
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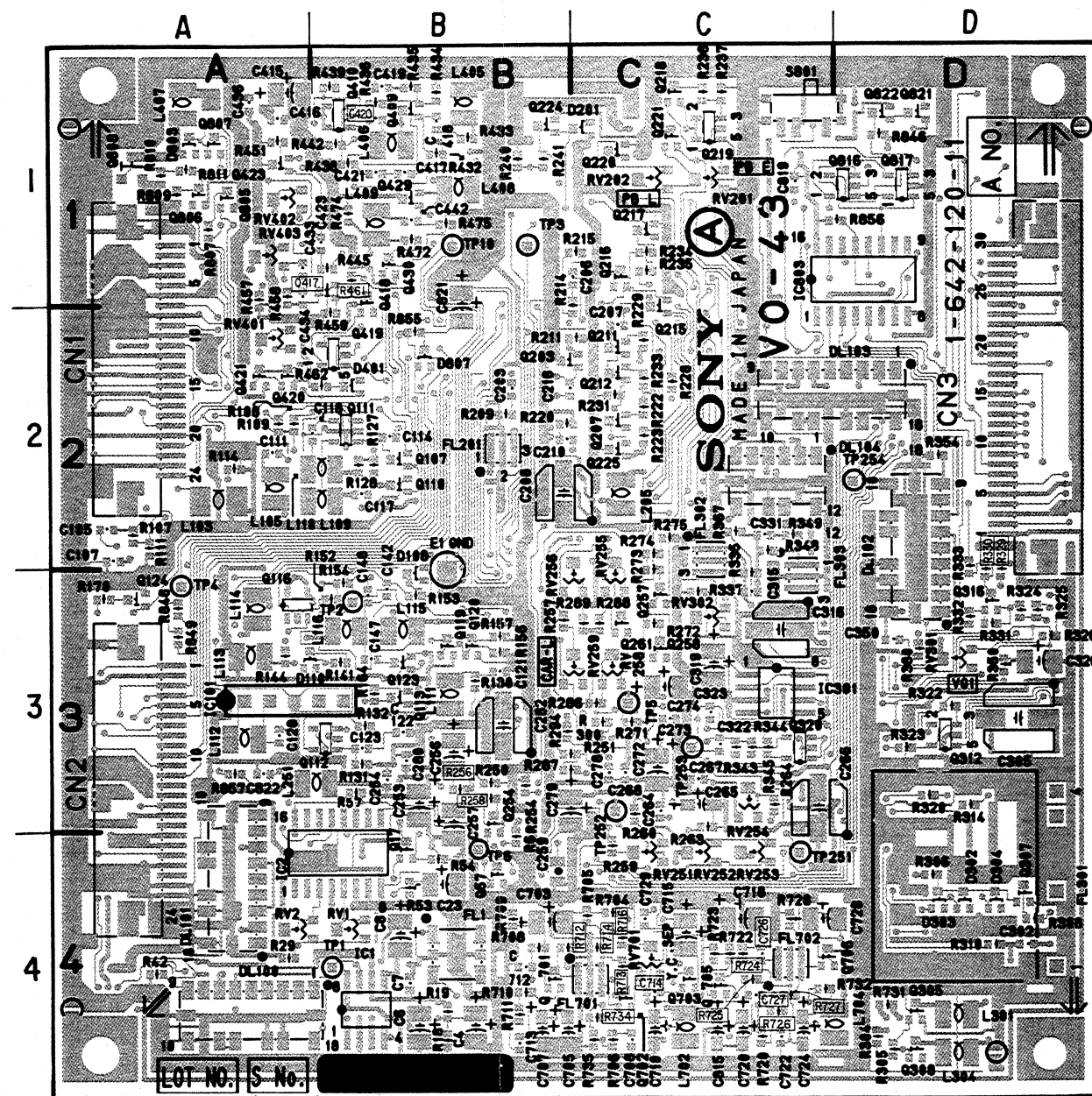
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VO-43/43P (1-642-120-11)  
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\*: B SIDE

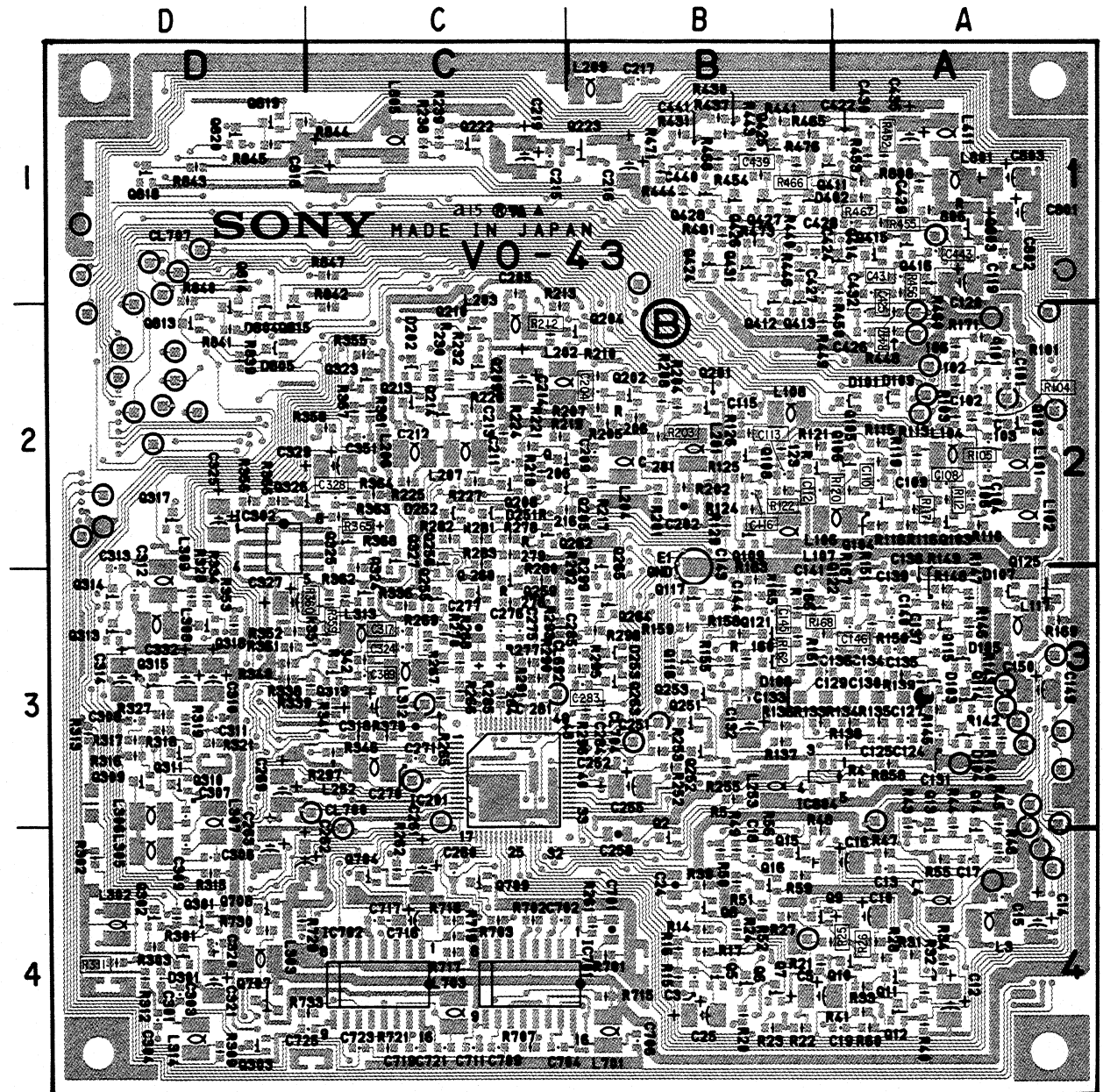
CN1	A-2	IC1	B-4	L304	D-4	*Q109	B-2	*Q253	B-3	Q417	B-1	RV252	C-4
CN2	A-3	IC2	A-4	*L305	D-4	Q110	B-2	Q254	B-4	Q418	B-2	RV253	C-4
CN3	D-2	IC101	A-3	*L306	D-3	Q111	B-2	*Q255	C-3	Q419	B-2	RV254	C-3
		*IC201	C-3	*L307	D-3	Q112	B-3	*Q256	C-2	Q420	A-2	RV255	C-3
DL100	A-4	IC301	C-3	*L308	D-3	Q113	B-3	Q257	C-3	Q421	A-2	RV256	B-3
DL101	A-4	*IC302	D-2	*L309	D-3	*Q114	A-3	Q258	C-3	Q423	A-1	RV258	C-3
DL102	D-2	*IC701	B-4	*L314	D-4	*Q115	A-3	*Q259	C-3	*Q424	B-1	RV259	B-3
DL103	C-2	*IC702	C-4	L405	B-1	Q116	A-3	*Q260	C-3	*Q425	B-1	RV301	D-3
DL104	C-2	IC803	C-1	L406	B-1	*Q117	B-3	Q261	C-3	*Q426	B-1	RV302	C-3
		*IC804	B-3	L407	A-1	*Q118	B-3	*Q262	C-2	*Q427	B-1	RV401	A-2
*D101	A-2			L408	B-1	Q119	B-3	*Q263	B-3	*Q428	B-1	RV402	A-1
*D103	A-3	*L3	A-4	L409	B-1	Q120	B-3	*Q264	B-3	Q429	B-1	RV403	A-1
*D104	A-3	*L4	A-4	*L411	A-1	*Q121	B-3	*Q301	D-4	Q430	B-1	RV701	C-4
*D105	A-3	*L101	A-2	*L701	B-4	*Q122	B-3	*Q302	D-4	*Q431	B-1		
*D106	B-3	*L102	A-2	L702	C-4	Q123	B-3	*Q303	D-4	Q701	B-4	S801	C-1
*D107	A-3	L103	A-2	*L703	C-4	Q124	A-3	Q305	D-4	Q702	C-4		
D108	B-2	*L104	A-2	L704	D-4	*Q125	A-3	Q307	D-4	Q703	C-4	TH701	C-4
*D109	A-2	L105	A-2	*L801	A-1	*Q201	B-2	Q308	D-4	*Q704	C-4		
D110	B-3	*L107	B-2	*L805	C-1	*Q202	B-2	*Q309	D-3	Q705	C-4	TP1	B-4
D201	C-1	*L108	B-2			Q203	B-2	*Q310	D-3	Q706	C-4	TP2	B-3
*D202	C-2	L109	B-2	*Q2	B-4	*Q204	B-2	*Q311	D-3	*Q708	D-4	TP3	B-1
*D251	C-2	L110	B-2	*Q5	B-4	*Q205	B-2	Q312	D-3	*Q709	C-4	TP4	A-3
*D252	C-2	L111	B-3	*Q6	B-4	*Q206	C-2	*Q313	D-3	*Q803	A-1	TP5	C-3
*D253	B-3	L112	A-3	*Q7	B-4	Q207	C-2	*Q314	D-3	Q805	A-1	TP6	B-4
*D301	D-4	L113	A-3	*Q8	B-4	*Q208	C-2	*Q315	D-3	Q806	A-1	TP10	B-1
D302	D-4	L114	A-3	*Q9	B-4	*Q209	C-2	Q316	D-3	Q807	A-1	TP251	C-4
D303	D-4	L115	B-3	*Q10	A-4	*Q210	C-2	*Q317	D-2	Q808	A-1	TP252	C-3
D304	D-4	L116	B-3	*Q11	A-4	Q211	C-2	*Q318	D-3	*Q813	D-2	TP253	C-3
D401	B-2	*L117	A-3	*Q12	A-4	Q212	C-2	*Q319	C-3	*Q814	D-2	TP254	D-2
*D402	B-1	*L201	B-2	*Q13	A-3	*Q213	C-2	Q320	C-3	*Q815	D-2		
D803	A-1	*L202	B-2	*Q14	A-3	*Q214	C-2	*Q323	C-2	Q816	D-1		
*D804	D-2	*L203	C-2	*Q15	B-4	Q215	C-1	*Q324	C-3	Q817	D-1		
*D805	D-2	*L204	B-2	*Q16	B-4	Q216	C-1	*Q325	C-2	*Q818	D-1		
D807	B-2	L205	C-2	Q17	B-4	Q217	C-1	*Q326	D-2	*Q819	D-1		
		*L206	C-2	Q57	B-4	Q218	C-1	*Q327	C-2	*Q820	D-1		
E1	B-2	*L207	C-2	*Q101	A-2	Q219	C-1	Q409	B-1	Q821	D-1		
		*L209	B-1	*Q102	A-2	Q220	C-1	Q410	B-1	Q822	D-1		
FL1	B-4	L251	B-3	*Q103	A-2	Q221	C-1	*Q411	A-1				
FL201	B-2	*L252	C-3	*Q104	A-2	*Q222	C-1	*Q412	B-2	RV1	B-4		
FL301	D-4	*L253	B-3	*Q105	A-2	*Q223	B-1	*Q413	B-2	RV2	A-4		
FL303	C-3	L301	D-4	*Q106	B-2	Q224	B-1	*Q414	A-1	RV201	C-1		
FL701	C-4	*L302	D-4	Q107	B-2	Q225	C-2	*Q415	A-1	RV202	C-1		
FL702	C-4	*L303	D-4	*Q108	B-2	*Q252	B-3	*Q416	A-1	RV251	C-4		

VO-43/43P BOARD

SERIAL No. 10001-11150 (UC)  
30001-30955 (J)  
40001-41050 (EK)



**VO-43/43P - A SIDE -**  
1-642-120-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



**VO-43/43P - B SIDE -**  
1-642-120-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

注意:

- ・C108 で囲まれているリファレンス番号 (例, C108 など) は、基板上にシルク印刷されていません。

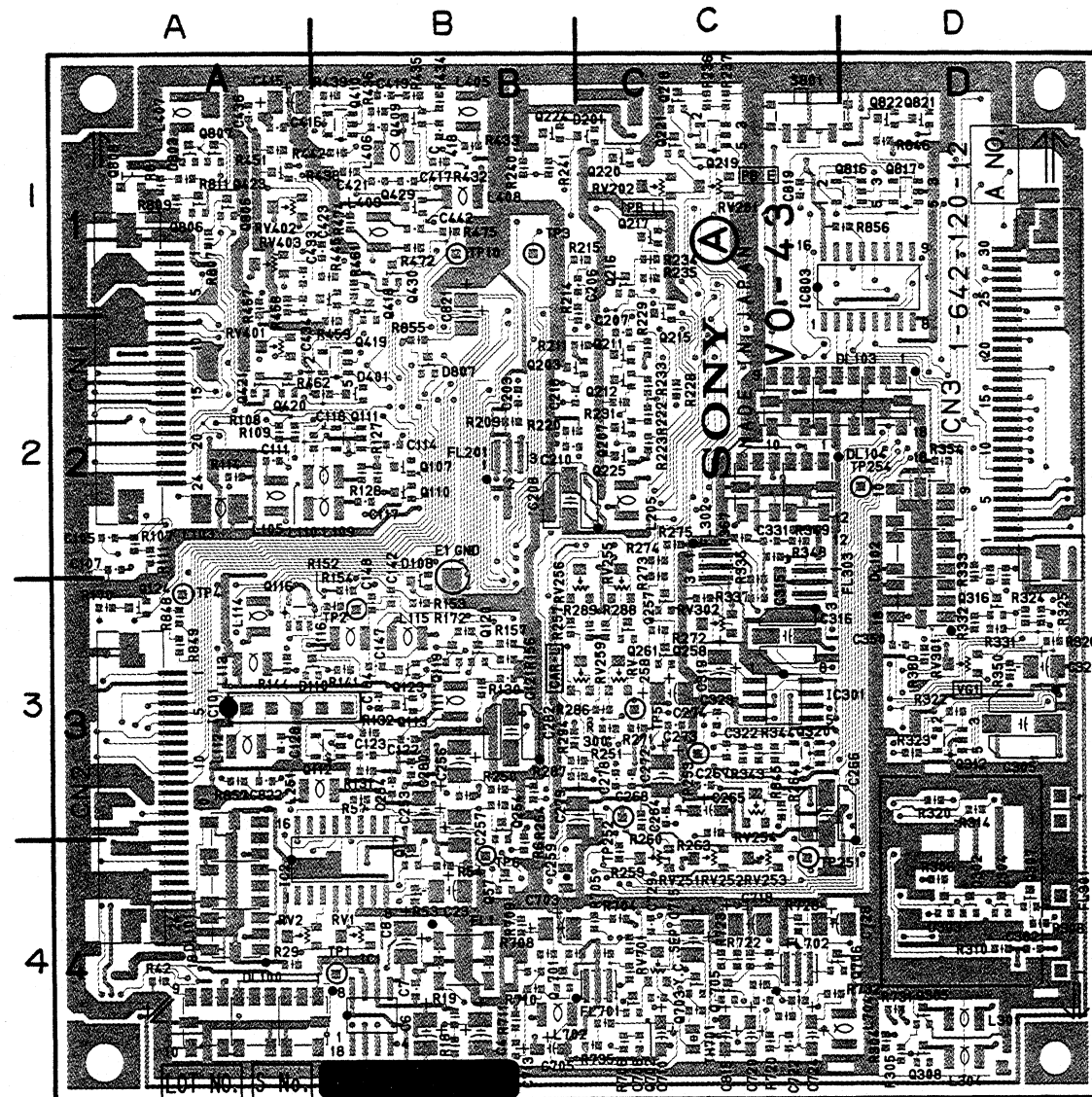
Note:

- ・Reference number enclosed with a frame (e, g, C108 etc.) in the board illustration above is not silkscreen-printed on an actual board.



## VO-43/43P BOARD

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)



VO-43/43P — A SIDE —

1-642-120-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

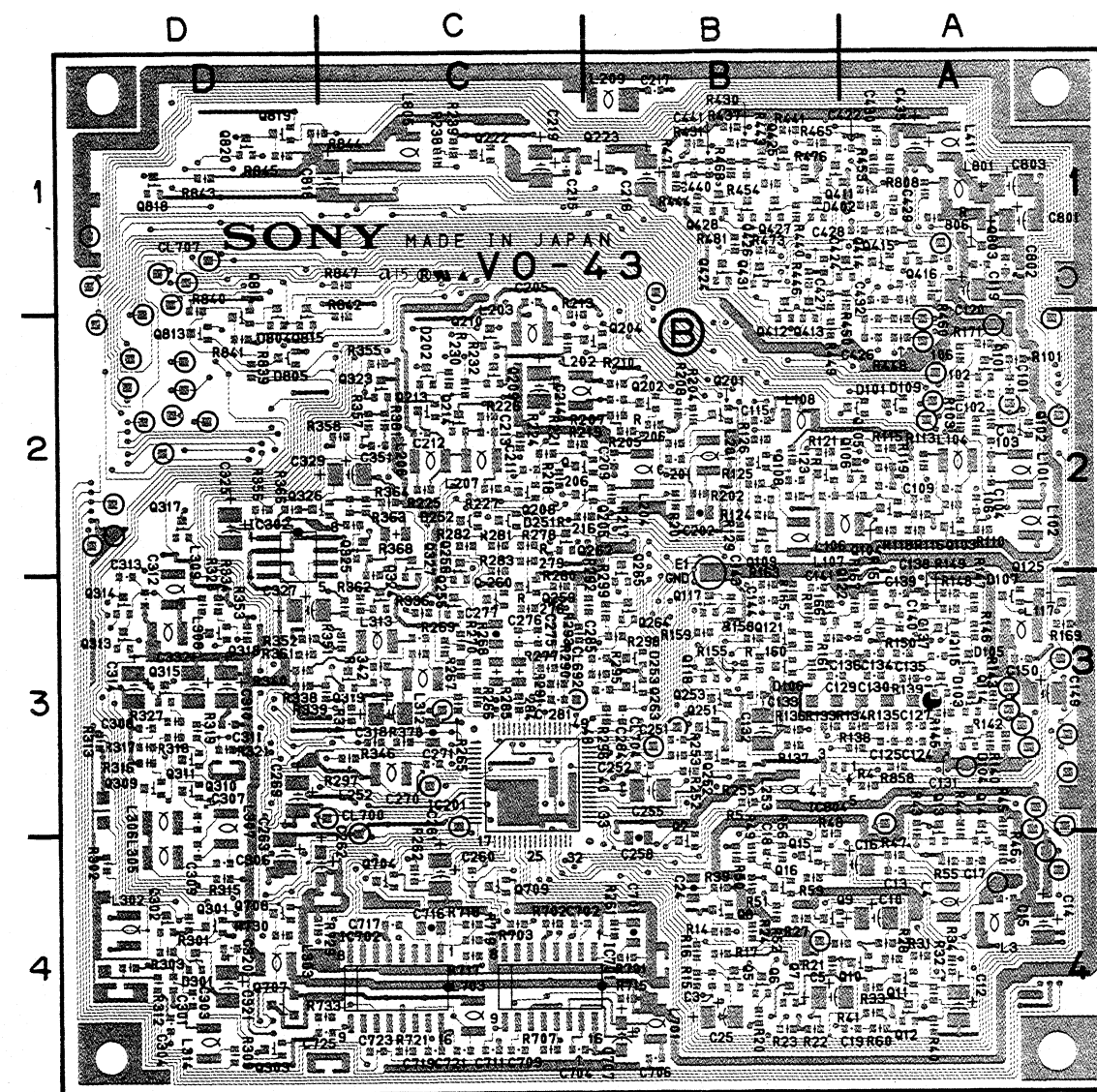
VO-43/43P (1-642-120-12)

\*: B SIDE

CN1 A-2	D110 B-3	FL1 B-4	*L3 A-4	*L201 B-2	*L308 D-3	*Q6 B-4	*Q106 B-2
CN2 A-3	D201 C-1	FL201 B-2	*L4 A-4	*L202 B-2	*L309 D-3	*Q7 B-4	Q107 B-2
CN3 D-2	*D202 C-2	FL303 C-3	*L101 A-2	*L203 C-2	*L314 D-4	*Q8 B-4	*Q108 B-2
	*D251 C-2	FL701 C-4	*L102 A-2	*L204 B-2	L405 B-1	*Q9 B-4	*Q109 B-2
DL100 A-4	*D252 C-2	FL702 C-4	L103 A-2	L205 C-2	L406 B-1	*Q10 A-4	Q110 B-2
DL101 A-4	*D253 B-3		*L104 A-2	*L206 C-2	L407 A-1	*Q11 A-4	Q111 B-2
DL102 D-2	*D301 D-4		L105 A-2	*L207 C-2	L408 B-1	*Q12 A-4	Q112 B-3
DL103 C-2	D302 D-4	IC1 B-4	*L107 B-2	*L209 B-1	L409 B-1	*Q13 A-3	Q113 B-3
DL104 C-2	D303 D-4	IC2 A-4	*L108 B-2	L251 B-3	*L411 A-1	*Q14 A-3	*Q114 A-3
	D304 D-4	IC101 A-3	L109 B-2	*L252 C-3	*L701 B-4	*Q15 B-4	*Q115 A-3
*D101 A-2	D401 B-2	*IC201 C-3	L110 B-2	*L253 B-3	L702 C-4	*Q16 B-4	Q116 A-3
*D103 A-3	*D402 B-1	IC301 C-3	L111 B-3	L301 D-4	*L703 C-4	*Q17 B-4	*Q117 B-3
*D104 A-3	D803 A-1	*IC302 D-2	L112 A-3	*L302 D-4	L704 D-4	Q57 B-4	*Q118 B-3
*D105 A-3	*D804 D-2	*IC701 B-4	L113 A-3	*L303 D-4	*L801 A-1	*Q101 A-2	Q119 B-3
*D106 B-3	*D805 D-2	*IC702 C-4	L114 A-3	L304 D-4	*L805 C-1	*Q102 A-2	Q120 B-3
*D107 A-3	D807 B-2	IC803 C-1	L115 B-3	*L305 D-4		*Q103 A-2	*Q121 B-3
D108 B-2		*IC804 B-3	L116 B-3	*L306 D-3		*Q104 A-2	*Q122 B-3
*D109 A-2	E1 B-2		*L117 A-3	*L307 D-3	*Q2 B-4	*Q105 A-2	Q123 B-3
					*Q5 B-4		

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-45



VO-43/43P — B SIDE —

1-642-120-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

Q124 A-3	Q216 C-1	*Q259 C-3	*Q314 D-3	*Q414 A-1	Q701 B-4	Q817 D-1	RV258 C-3
*Q125 A-3	Q217 C-1	*Q260 C-3	*Q315 D-3	*Q415 A-1	Q702 C-4	*Q818 D-1	RV259 B-3
*Q201 B-2	Q218 C-1	Q261 C-3	Q316 D-3	*Q416 A-1	Q703 C-4	*Q819 D-1	RV301 D-3
*Q202 B-2	Q219 C-1	*Q262 C-2	*Q317 D-2	Q417 B-1	*Q704 C-4	*Q820 D-1	RV302 C-3
Q203 B-2	Q220 C-1	*Q263 B-3	*Q318 D-3	Q418 B-2	Q705 C-4	Q821 D-1	RV401 A-2
*Q204 B-2	Q221 C-1	*Q264 B-3	*Q319 C-3	Q419 B-2	Q706 C-4	Q822 D-1	RV402 A-1
*Q205 B-2	*Q222 C-1	*Q301 D-4	Q320 C-3	Q420 A-2	*Q708 D-4		RV403 A-1
*Q206 C-2	*Q223 B-1	*Q302 D-4	*Q323 C-2	Q421 A-2	*Q709 C-4		RV701 C-4
Q207 C-2	Q224 B-1	*Q303 D-4	*Q324 C-3	Q423 A-1	*Q803 A-1	RV1 B-4	
*Q208 C-2	Q225 C-2	Q305 D-4	*Q325 C-2	*Q424 B-1	Q805 A-1	RV2 A-4	
*Q209 C-2	*Q252 B-3	Q307 D-4	*Q326 D-2	*Q425 B-1	Q806 A-1	RV201 C-1	
*Q210 C-2	*Q253 B-3	Q308 D-4	*Q327 C-2	*Q426 B-1	Q807 A-1	RV202 C-1	
Q211 C-2	Q254 B-4	*Q309 D-3	Q409 B-1	*Q427 B-1	Q808 A-1	RV251 C-4	
Q212 C-2	*Q255 C-3	*Q310 D-3	Q410 B-1	*Q428 B-1	*Q813 D-2	RV252 C-4	
*Q213 C-2	*Q256 C-2	*Q311 D-3	*Q411 A-1	*Q429 B-1	*Q814 D-2	RV253 C-4	
*Q214 C-2	Q257 C-3	Q312 D-3	*Q412 B-2	Q430 B-1	*Q815 D-2	RV254 C-3	
Q215 C-1	Q258 C-3	*Q313 D-3	*Q413 B-2	*Q431 B-1	Q816 D-1	RV255 C-3	
						RV256 B-3	

C-46



## VO-43 BOARD

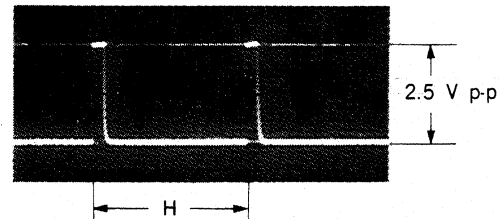
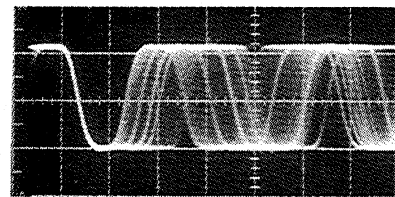
NTSC

## 注意:

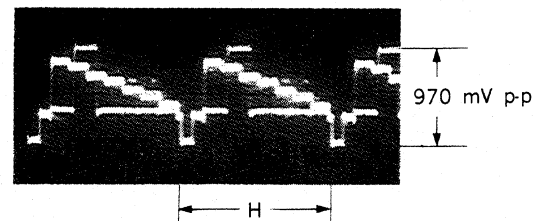
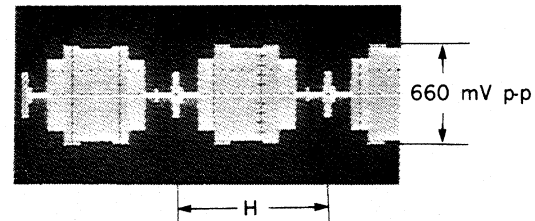
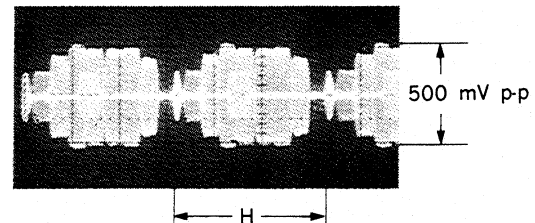
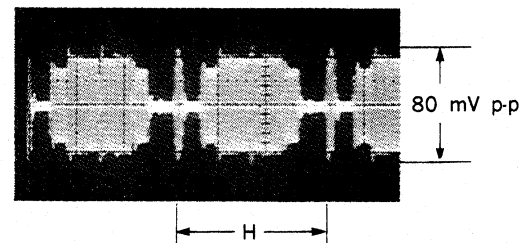
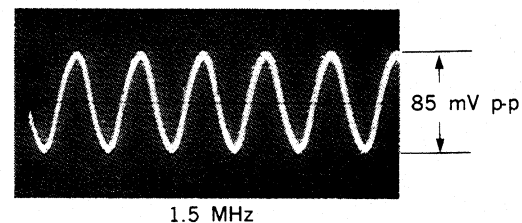
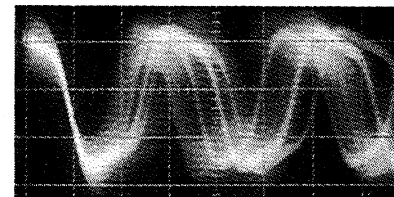
- DC 電圧はデジタル電圧計による値。  
No Mark : REC mode  
( ) Mark : PB mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : REC mode  
( ) Mark : PB mode
- All waveforms are taken and DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

① CN2-1, CN3-17 REC/PB mode  
COMPOSITE SYNC② CN1-11, TP10 REC mode  
REC Y RF

H: 50 ns/DIV  
V: 200 mV/DIV

③ CN2-15, CN3-4 PB mode  
CR Y④ CN1-13, CN3-23 REC/PB mode  
CAMERA C⑤ CN2-20, CN3-6 PB mode  
S C⑥ CN3-19 REC mode  
REC C RF⑦ CN1-9 REC mode  
REC AFM RF⑧ CN1-5 REC mode  
REC VAA RF

H: 50 ns/DIV  
V: 50 mV/DIV

## VO-43P BOARD

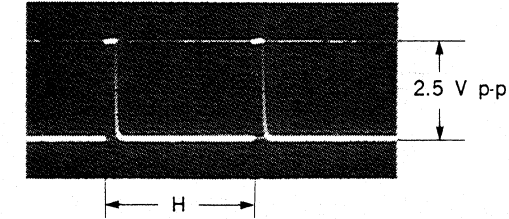
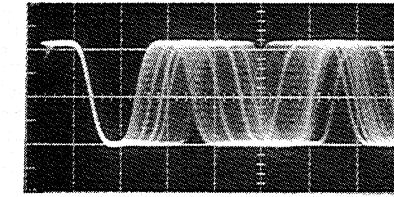
PAL

## 注意:

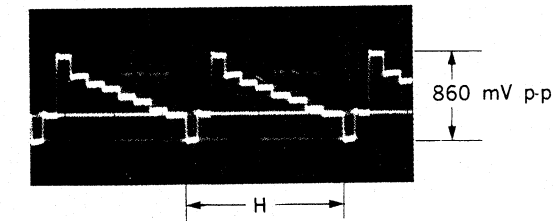
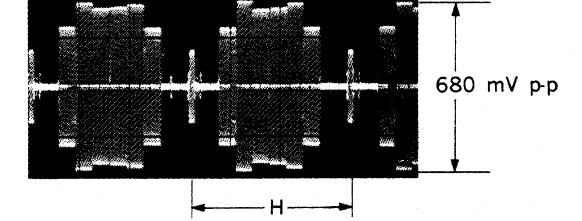
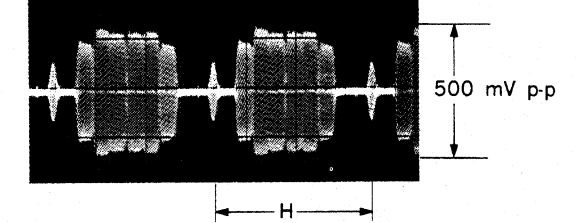
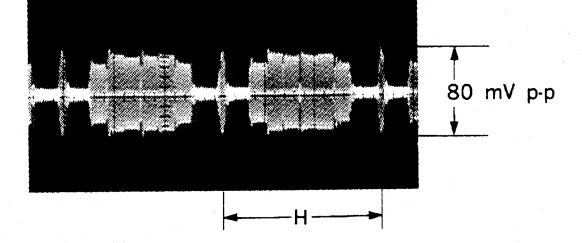
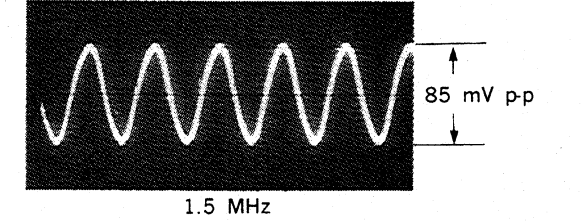
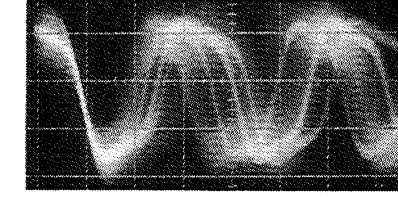
- DC 電圧はデジタル電圧計による値。  
No Mark : REC mode  
( ) Mark : PB mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : REC mode  
( ) Mark : PB mode
- All waveforms are taken and DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

① CN2-1, CN3-17 REC/PB mode  
COMPOSITE SYNC② CN1-11, TP10 REC mode  
REC Y RF

H: 50 ns/DIV  
V: 200 mV/DIV

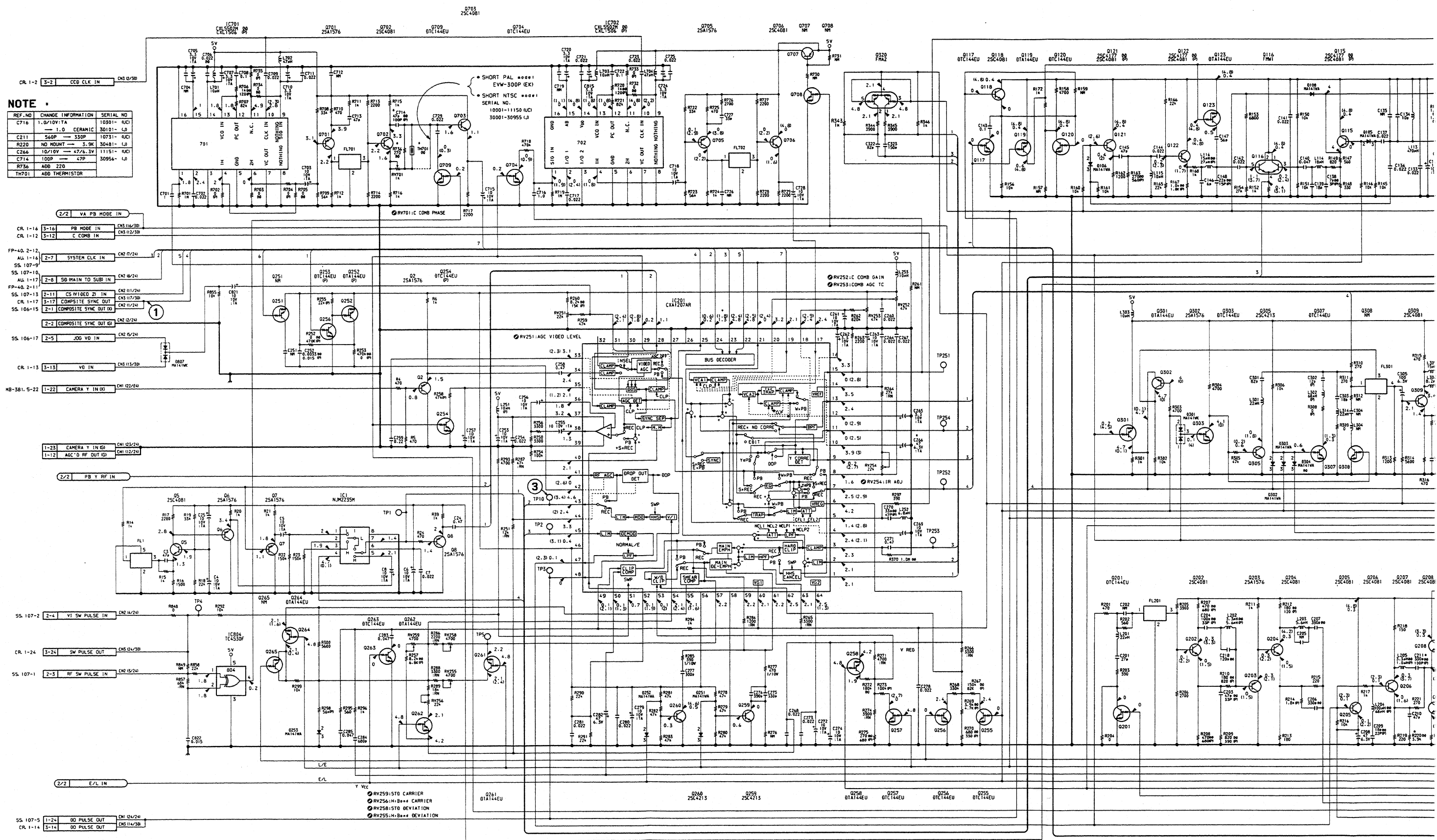
③ CN2-15, CN3-4 PB mode  
CR Y④ CN1-13, CN3-23 REC/PB mode  
CAMERA C⑤ CN2-20, CN3-6 PB mode  
S C⑥ CN3-19 REC mode  
REC C RF⑦ CN1-9 REC mode  
REC AFM RF⑧ CN1-5 REC mode  
REC VAA RF

H: 50 ns/DIV  
V: 50 mV/DIV

## Y PROCESS, COMB FILTER

## NOTE

REF. NO	CHANGE INFORMATION	SERIAL NO
C716	1.0/10V:TA	10501- LJ
C211	560P — 330P	10731- LJ
R220	NO MOUNT — 3.9K	30481- LJ
C266	10/10V — 47/6.3V	11151- LJ
C724	100P — 47P	30954- LJ
R734	ADD 220	
TH701	ADD THERMISTOR	



EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-49

C-50

A

B

C

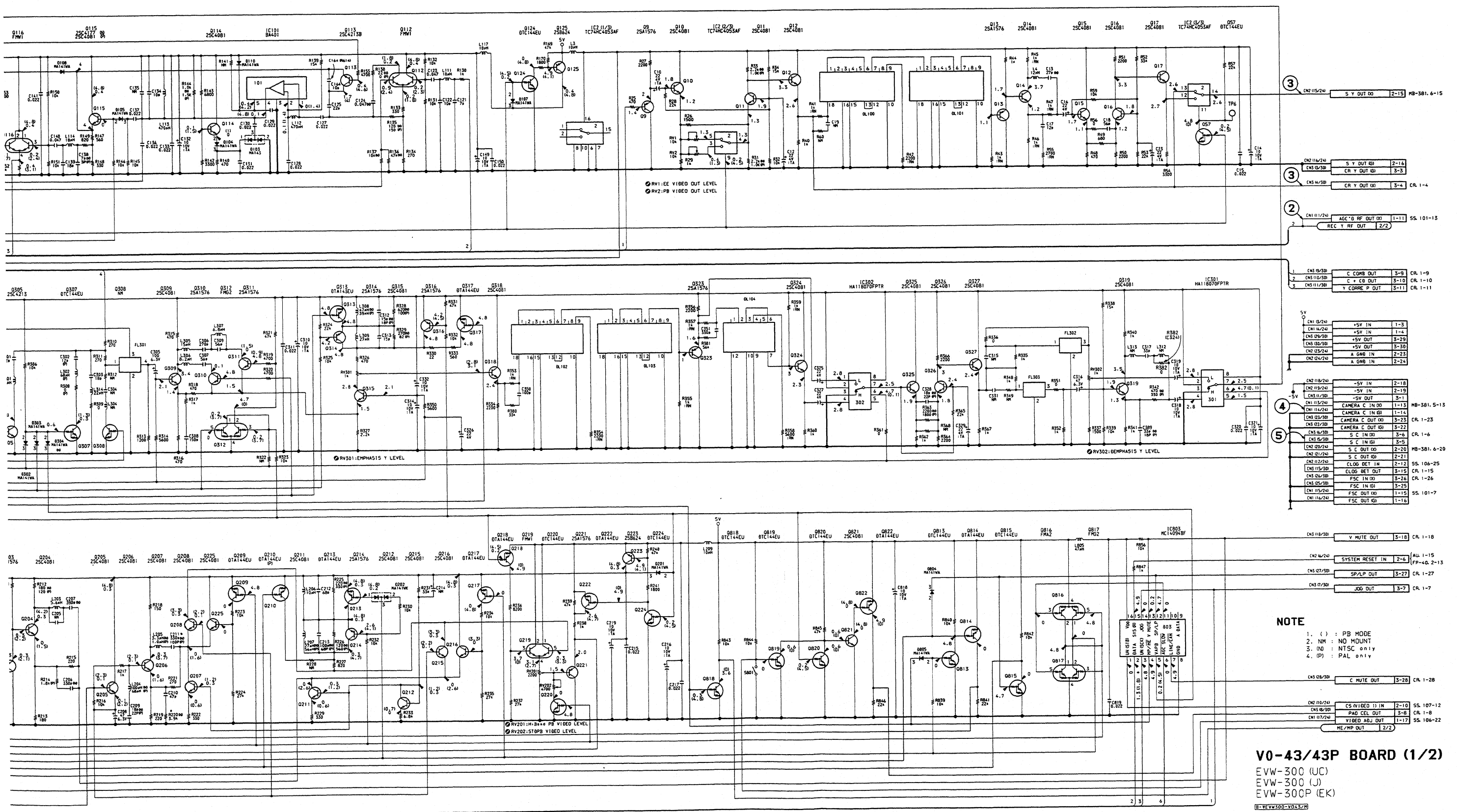
D

E

F

G

H



1

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2

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3

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4

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5

A

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B

|

C-53

C

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D

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E

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F

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C-54

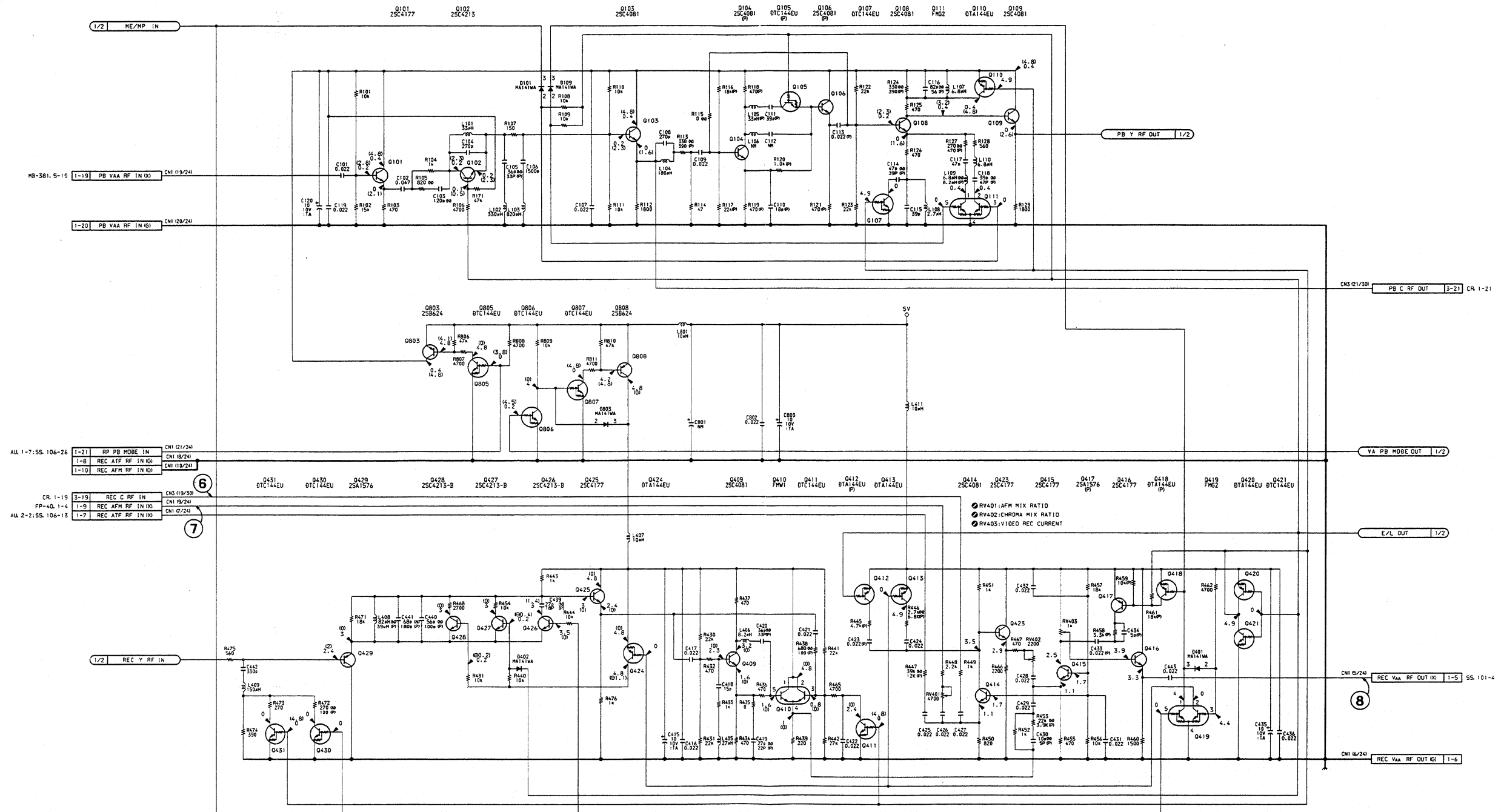
G

|

H

|

Y/C/AFM/ATF MIX



NOTE

1. ( ) : PB MODE
2. NM : NO MOUNT
3. (N) : NTSC only
4. (P) : PAL only

VO-43/43P BOARD (2/2)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

8-VIEW300-VO43P

C-55

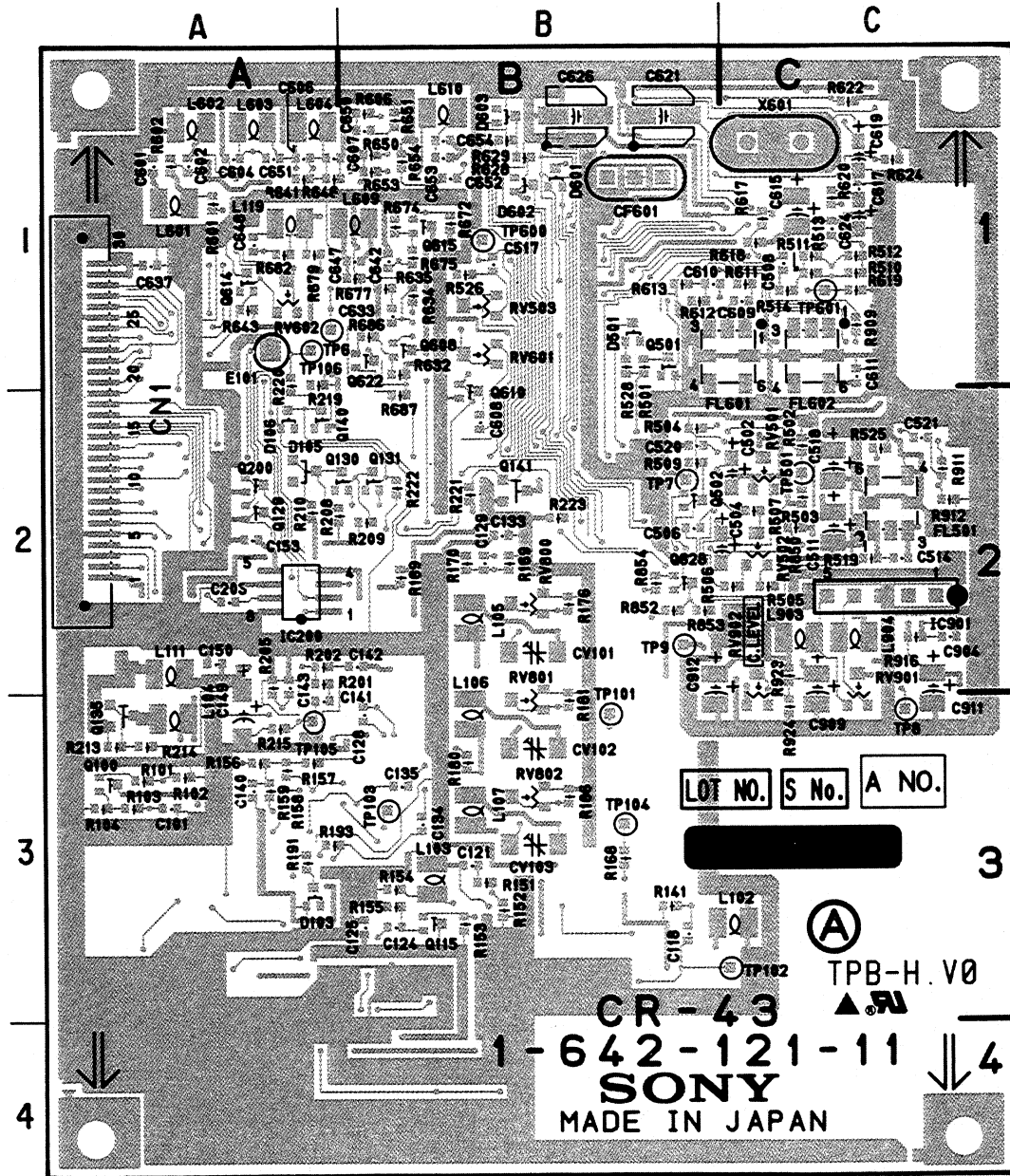
C-56

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

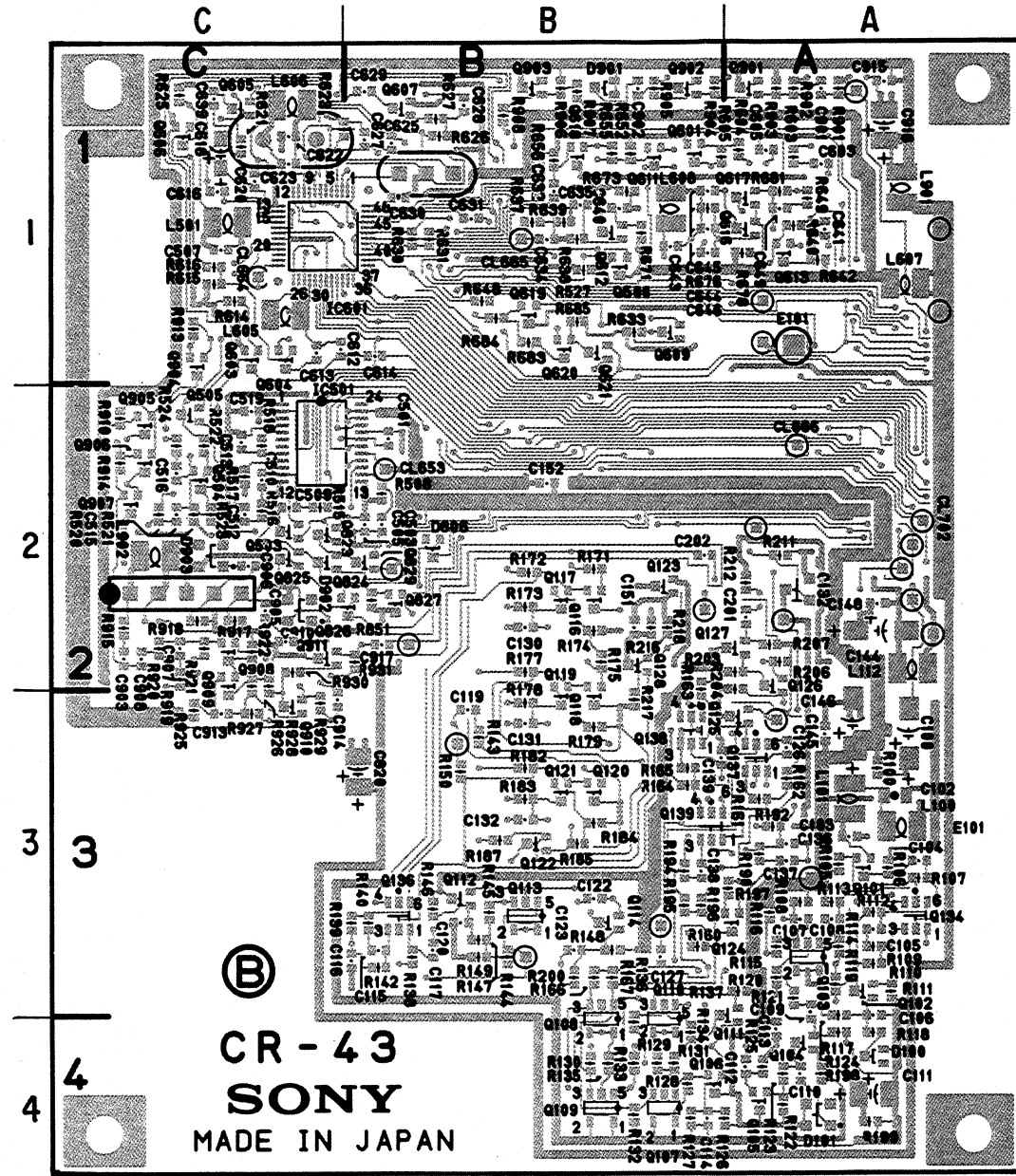


## CR-43/43P BOARD

**SERIAL No. 10001—11150 (UC)**  
**30001—30955 (J)**  
**40001—41050 (EK)**



**CR-43/43P — A SIDE —**  
1-642-121-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



**CR-43/43P — B SIDE —**  
1-642-121-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

CR-43/43P (1-642-121-11)

\*: B SIDE

[illegible]

C-59

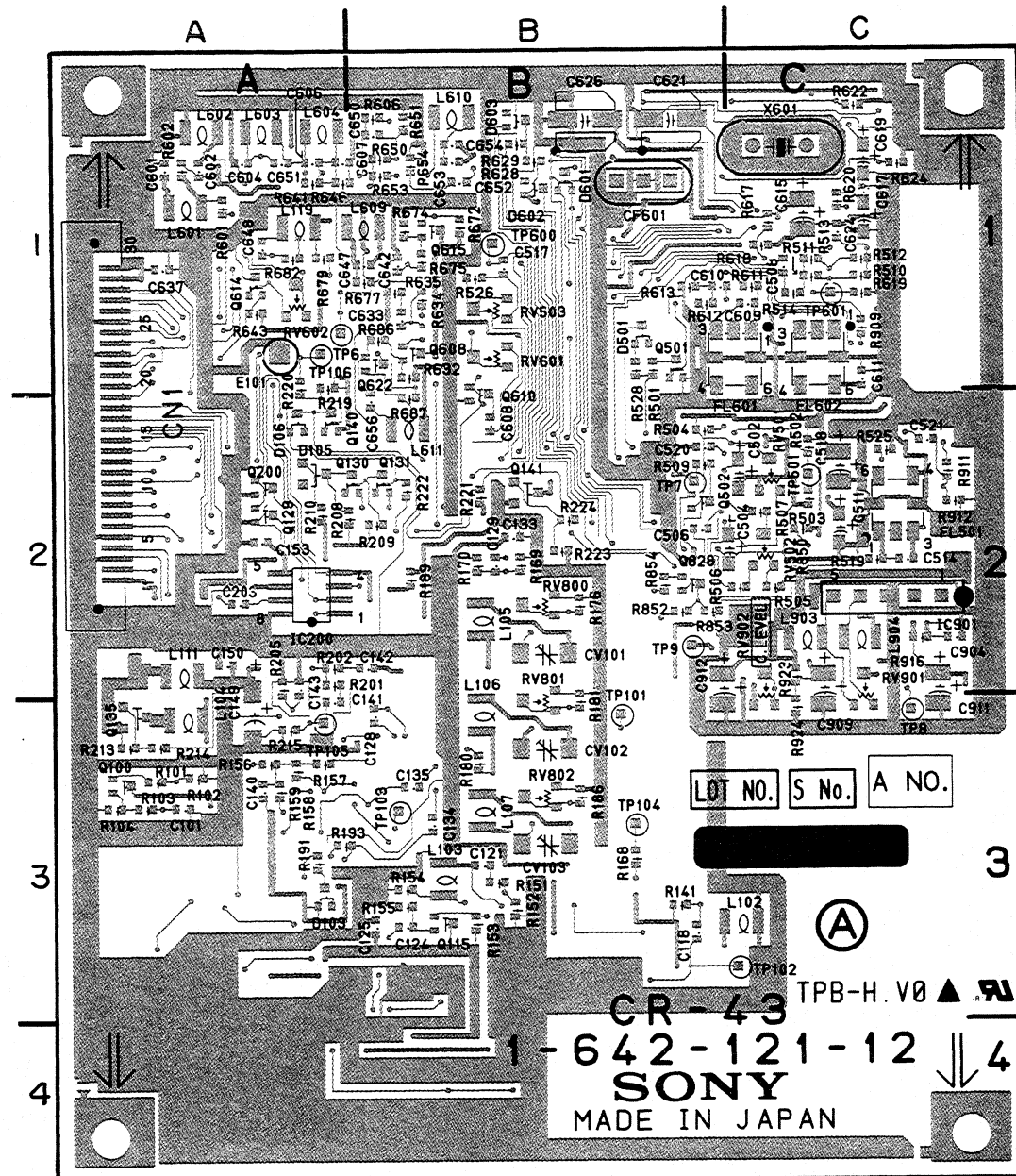
C-60

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



CR-43/43P BOARD

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)



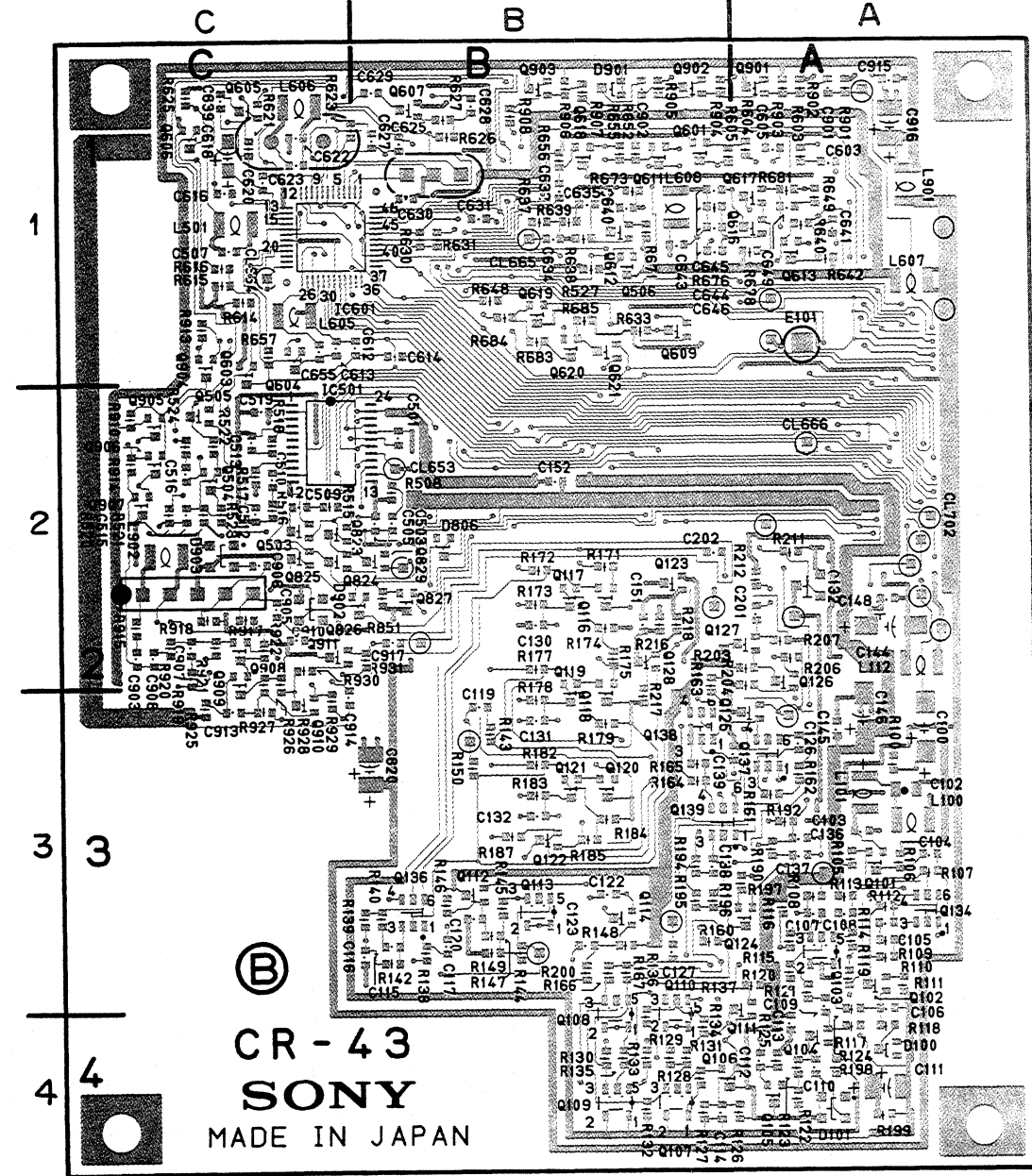
CR-43/43P - A SIDE -

1-642-121-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

CR-43/43P (1-642-121-12)

\*: B SIDE

CF601 B-1	D106 A-2	FL501 C-2	L103 B-3	L604 A-1	Q100 A-3	*Q112 B-3	*Q124 B-3
DN1 A-2	D501 B-1	FL601 C-2	L104 A-3	*L605 C-1	*Q101 A-3	*Q113 B-3	*Q125 B-3
	D601 B-1	FL602 C-2	L105 B-2	*L606 C-1	*Q102 A-3	*Q114 B-3	*Q126 A-2
	D602 B-1		L106 B-2	*L607 A-1	*Q103 A-3	Q115 B-3	*Q127 B-2
CV101 B-2	D603 B-1	IC200 A-2	L107 B-3	*L608 B-1	*Q104 A-4	*Q116 B-2	*Q128 B-2
CV102 B-3	*D806 B-2	*IC501 C-2	L111 A-2	L609 B-1	*Q105 A-4	*Q117 B-2	Q129 A-2
CV103 B-3	*D901 B-1	*IC601 C-1	*L112 A-2	L610 B-1	*Q106 B-4	*Q118 B-3	Q130 A-2
	*D902 C-2	IC901 C-2	L119 A-1	L611 A-1	*Q107 B-4	*Q119 B-2	Q131 B-2
*D100 A-4	*D903 C-2		*L501 C-1	*L901 A-1	*Q108 B-4	*Q120 B-3	*Q132 A-2
*D101 A-4			*L100 A-3	*L902 C-2	*Q109 B-4	*Q121 B-3	*Q133 A-3
D103 A-3	E101 A-1		*L101 A-3	L903 C-2	*Q110 B-3	*Q122 B-3	Q135 A-3
D105 A-2			L102 C-3	L603 A-1	*Q111 B-4	*Q123 B-2	*Q136 B-3



CR-43/43P - B SIDE -

1-642-121-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

*Q905 C-2	RV602 A-1	TP101 B-3
*Q906 C-2	RV800 B-2	TP102 C-3
*Q907 C-2	RV801 B-2	TP103 B-3
*Q908 C-2	RV802 B-3	TP104 B-3
*Q909 C-2	RV901 C-2	TP105 A-3
*Q910 C-3	RV902 C-2	TP106 A-1
*Q911 C-2		TP501 C-2
	TP6 A-1	TP600 B-1
	TP7 B-2	TP601 C-1
	TP8 C-3	
	TP9 B-2	X601 C-1

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-61

C-62



# CR-43 BOARD

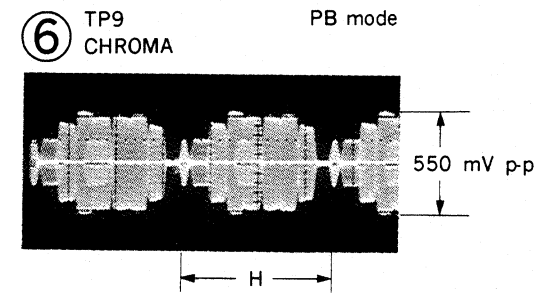
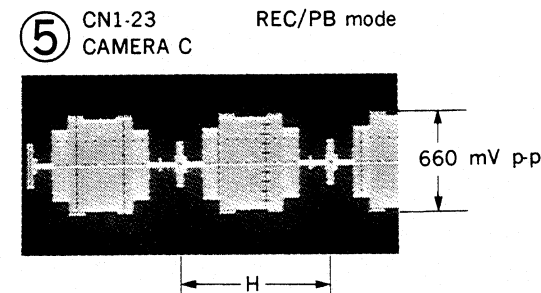
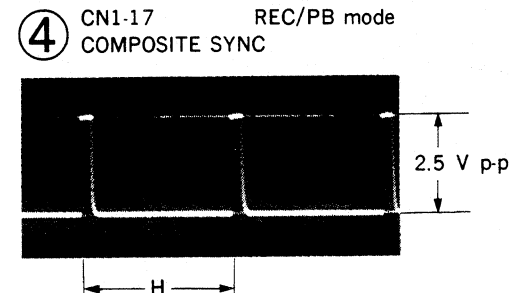
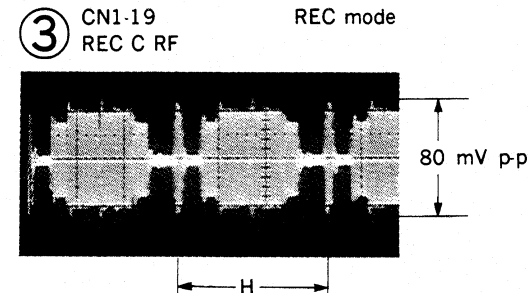
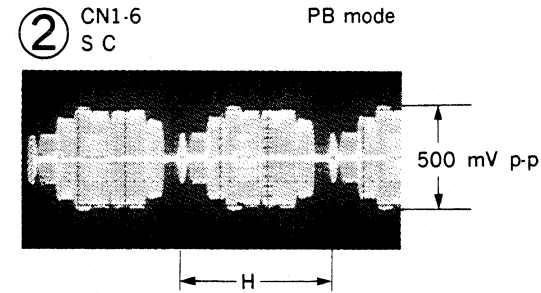
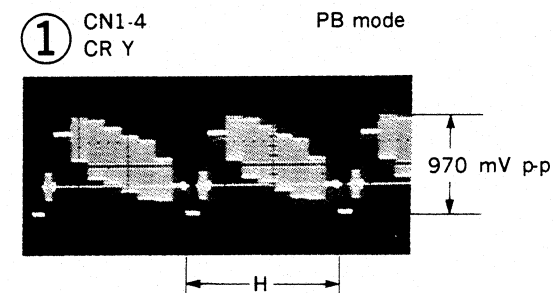
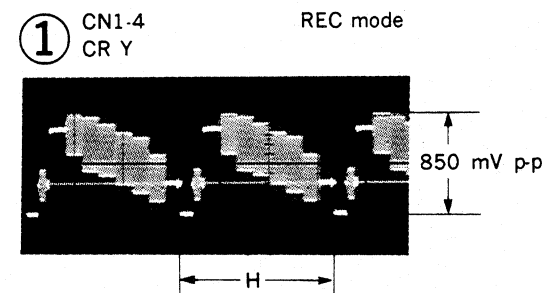
NTSC

## 注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : REC mode  
( ) Mark : PB mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : REC mode  
( ) Mark : PB mode
- All waveforms are taken and DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF



# CR-43P BOARD

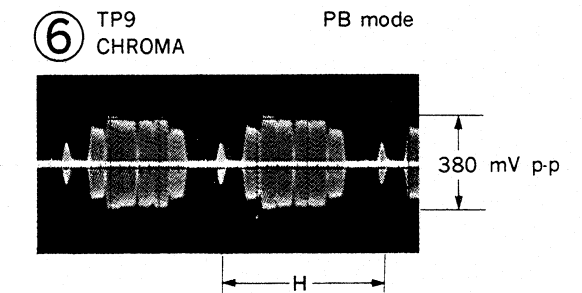
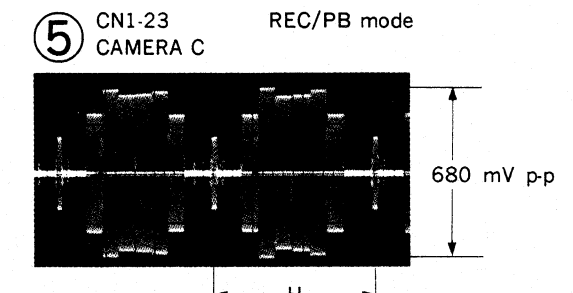
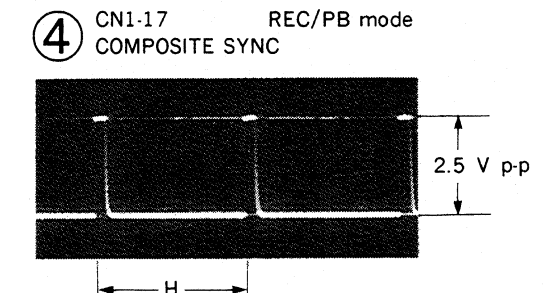
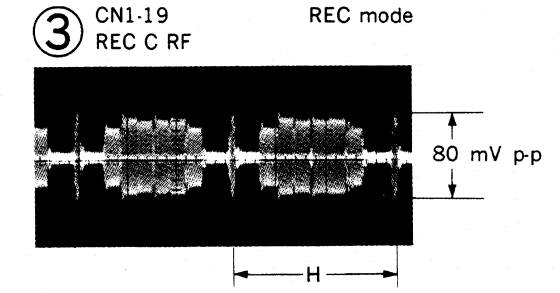
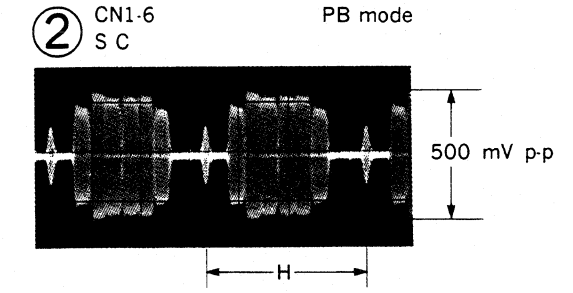
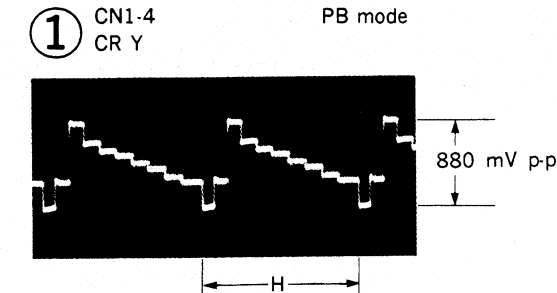
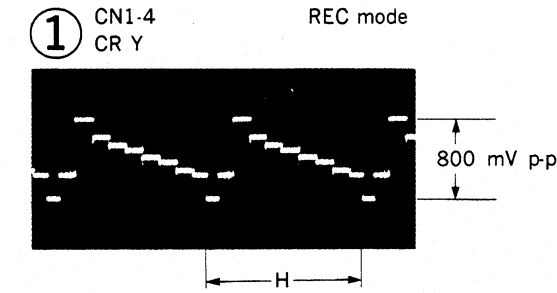
PAL

## 注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : REC mode  
( ) Mark : PB mode
- 波形写真, 及び DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : REC mode  
( ) Mark : PB mode
- All waveforms are taken and DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF



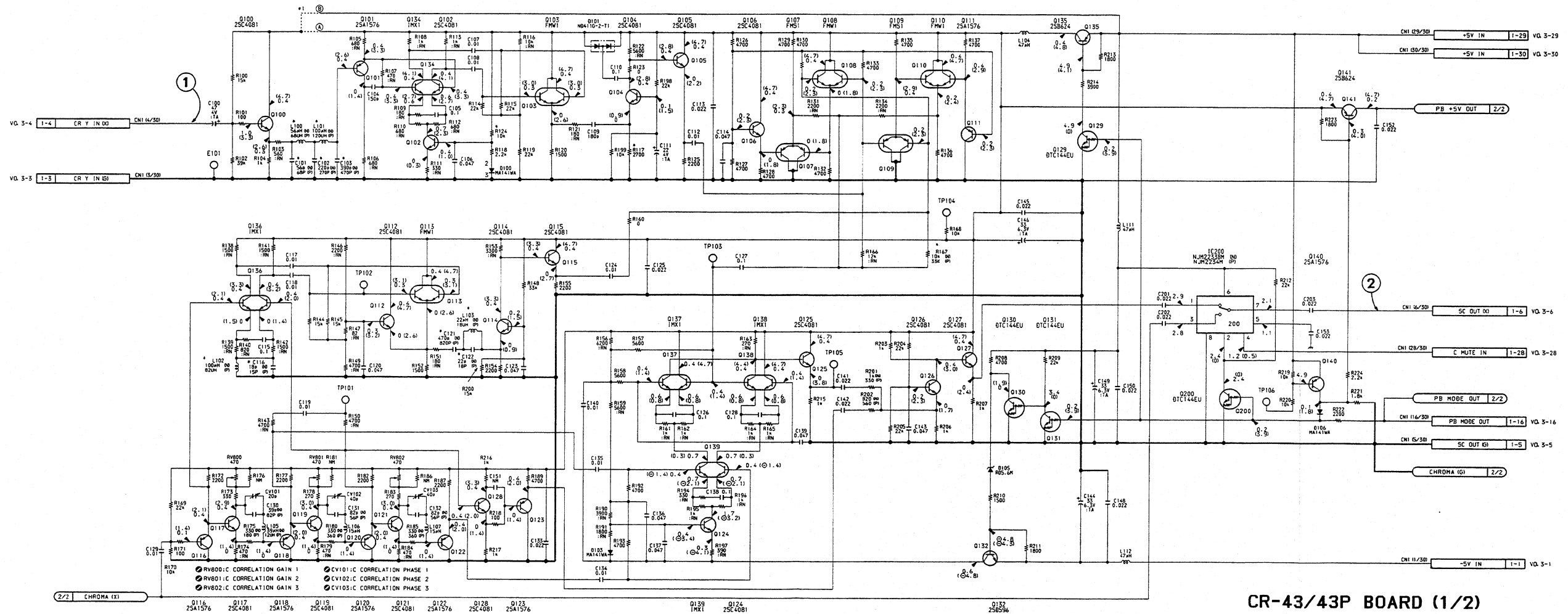
CHROMA PROCESS

NOTE

1. ( ) : PS MODE
2. NM : NO MOUNT
3. (N) : NTSC only
4. (P) : PAL only

NOTE .

REF. NO	CHANGE INFORMATION	SERIAL NO
*1	CHANGE CONNECTION ④ → ⑤	10501- (LC) 30101- (L) 40001- (EK)
C101	47P → 68P	40801- (EK)
C102	100P → 270P	
C103	330P → 470P	
C116	18P → 15P	
C121	470P → 820P	
C122	22P → 18P	
L100	55UH → 68UH	
L101	68UH → 120UH	10481- (UC)
L102	100UH → 82UH	
L103	22UH → 18UH	
R167	10K → 33K	50271- (L)
R117	10K → 2.7K	
R124	2.7K → 10K	



CR-43/43P BOARD (1/2)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

④=EVW300-CR432H

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-65

C-66

A

B

C

D

E

F

G

H



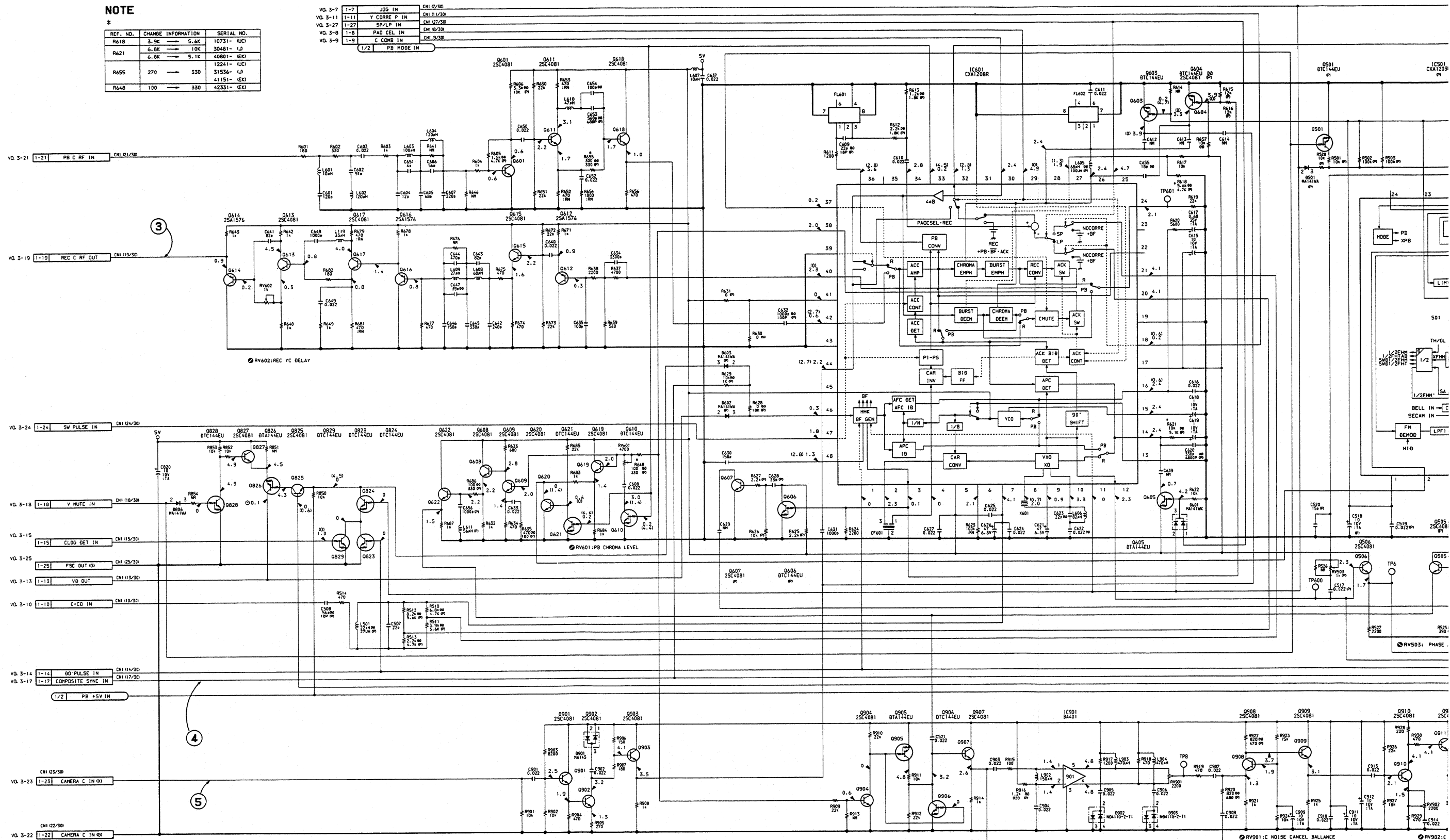
B-VFVW300-CB43/M

## CHROMA PROCESS

## NOTE

REF. NO.	CHANGE INFORMATION	SERIAL NO.
R618	3.9K → 5.4K	10731- EUC
R621	6.8K → 10K	30481- LJ
	6.8K → 5.1K	40801- ECK
R655	270 → 330	12241- EUC
		31536- LJ
R648	100 → 330	41151- ECK
		42331- ECK

VO 3-7	1-7	JOG IN	CNI 12/30
VO 3-11	1-11	Y CORRE F IN	CNI 11/30
VO 3-17	1-27	SP/LP IN	CNI 07/30
VO 3-8	1-8	PAD CEL IN	CNI 08/30
VO 3-9	1-9	C COMB IN	CNI 09/30
	1/2	PB MODE IN	



## NOTE

1. ( ) : PB MODE
2. NM : NO MOUNT
3. NI : NTSC only
4. (P) : PAL only

C-68

C-69

A

B

C

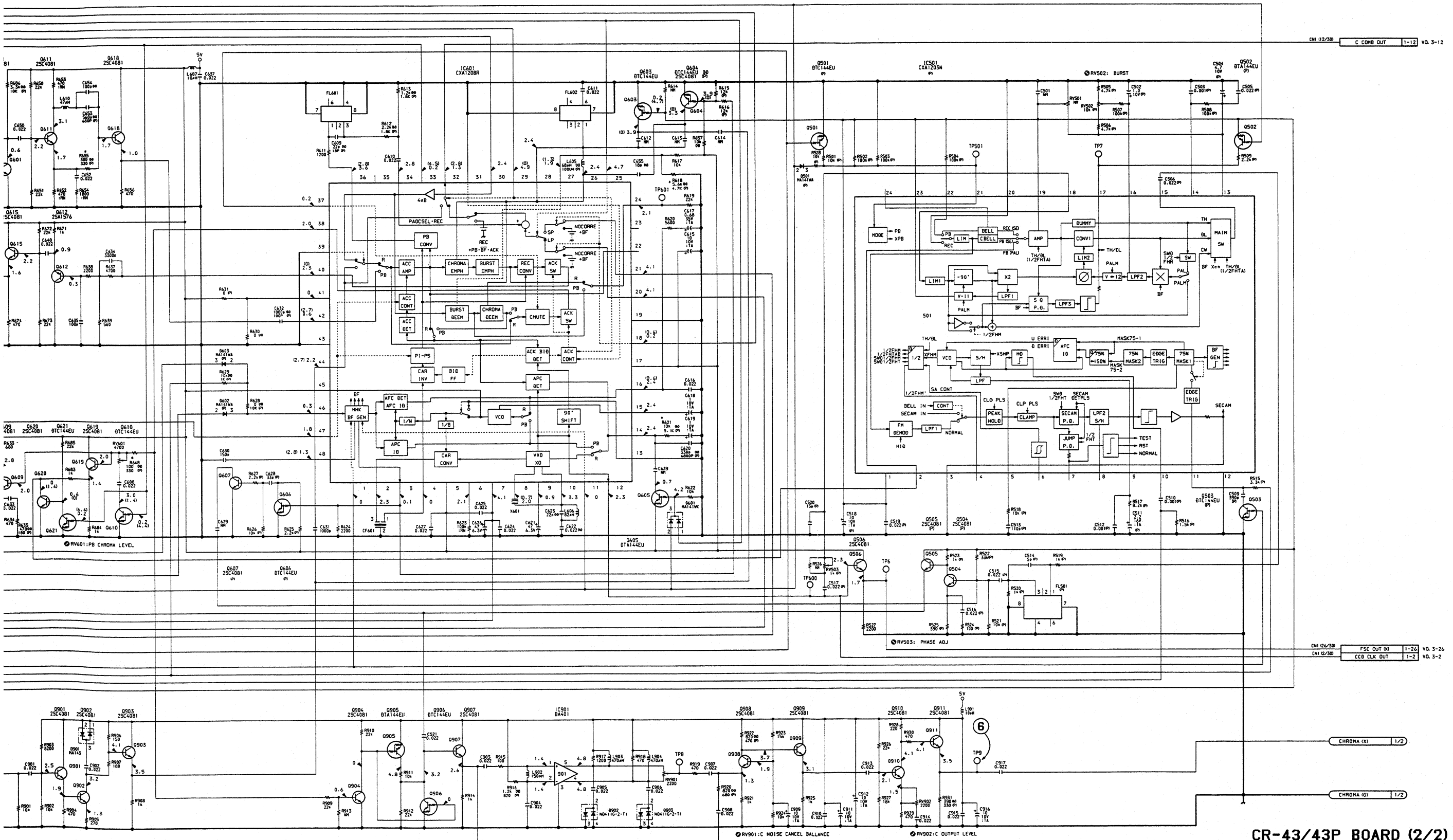
D

E

F

G

H



CR-43/43P BOARD (2/2)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

B-VFW300-CAL3/75

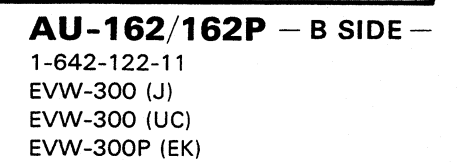
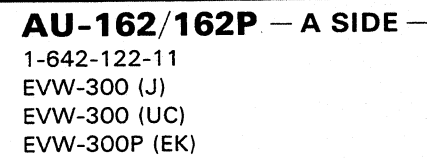
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-69

C-70



**SERIAL No. 10001—11450 (UC)  
30001—31225 (J)  
40001—41280 (EK)**



\*: B SIDE

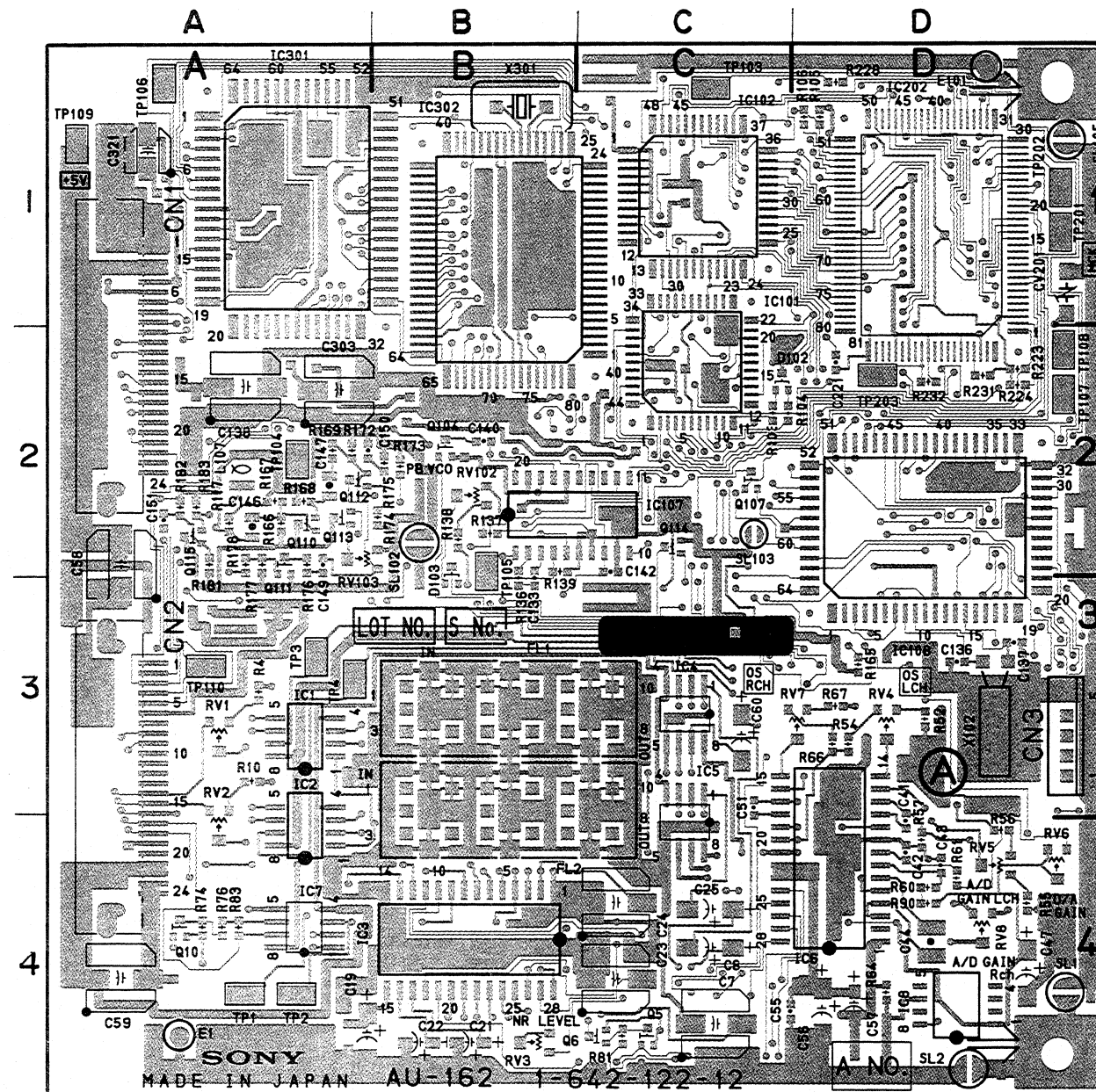
CN1	A-1	*D201	D-1	IC6	D-4	*L1	D-4	*Q2	C-4	Q107	C-2	RV8	D-4	TP109	A-1
CN2	A-3	*D202	D-1	IC7	A-4	*L101	C-1	*Q3	D-4	Q110	A-2	RV102	B-2	TP110	A-3
CN3	D-3			IC8	D-4	*L102	C-1	*Q4	D-4	Q112	A-2	RV103	A-3	TP201	D-1
		E1	A-4	IC101	C-1	*L104	D-1	Q5	C-4	Q113	A-2			TP202	D-1
CV201	D-1	E101	D-1	IC102	C-1	L107	A-2	Q6	B-4	Q115	A-2	TP1	A-4	TP203	D-2
				*IC104	D-1	*L109	A-2	*Q7	C-4	*Q116	A-2	TP2	A-4		
*D1	C-3	FL1	B-3	IC107	C-2	*L110	C-2	*Q8	C-4			TP3	A-3	X102	D-3
*D2	D-4	FL2	B-4	IC108	D-3	*L111	C-2	*Q9	C-4	RV1	A-3	TP4	A-3	X301	B-1
*D3	C-4			*IC109	D-2	*L203	D-1	Q10	A-4	RV2	A-3	TP103	C-1		
*D4	A-4	IC1	A-3	IC202	D-1	*L204	D-1	*Q11	A-4	RV3	B-4	TP104	A-2		
*D101	C-1	IC2	A-3	IC301	A-1	*L301	A-1	*Q101	A-2	RV4	D-3	TP105	B-3		
D102	C-2	IC3	A-4	IC302	B-1	*L302	B-1	*Q103	B-2	RV5	D-4	TP106	A-1		
D103	B-3	IC4	C-3	*IC303	A-1			*Q105	D-3	RV6	D-4	TP107	D-2		
*D105	A-3	IC5	C-3			*Q1	C-3	*Q106	C-3	RV7	C-3	TP108	D-2		

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

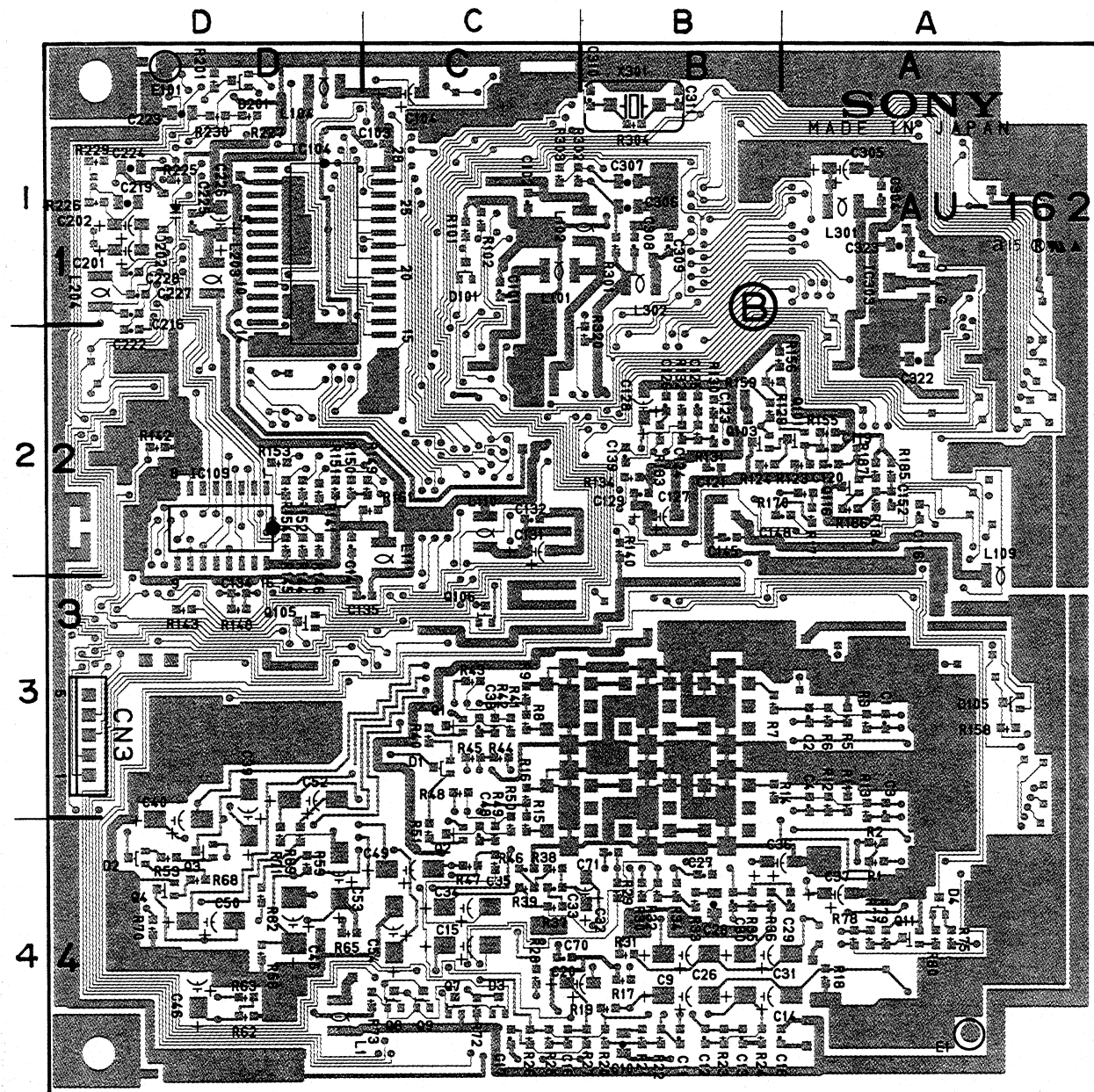


AU-162/162P BOARD

SERIAL No. 11451 and higher (UC)  
31226 and higher (J)  
41281 and higher (EK)



**AU-162/162P — A SIDE —**  
1-642-122-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



**AU-162/162P — B SIDE —**  
1-642-122-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

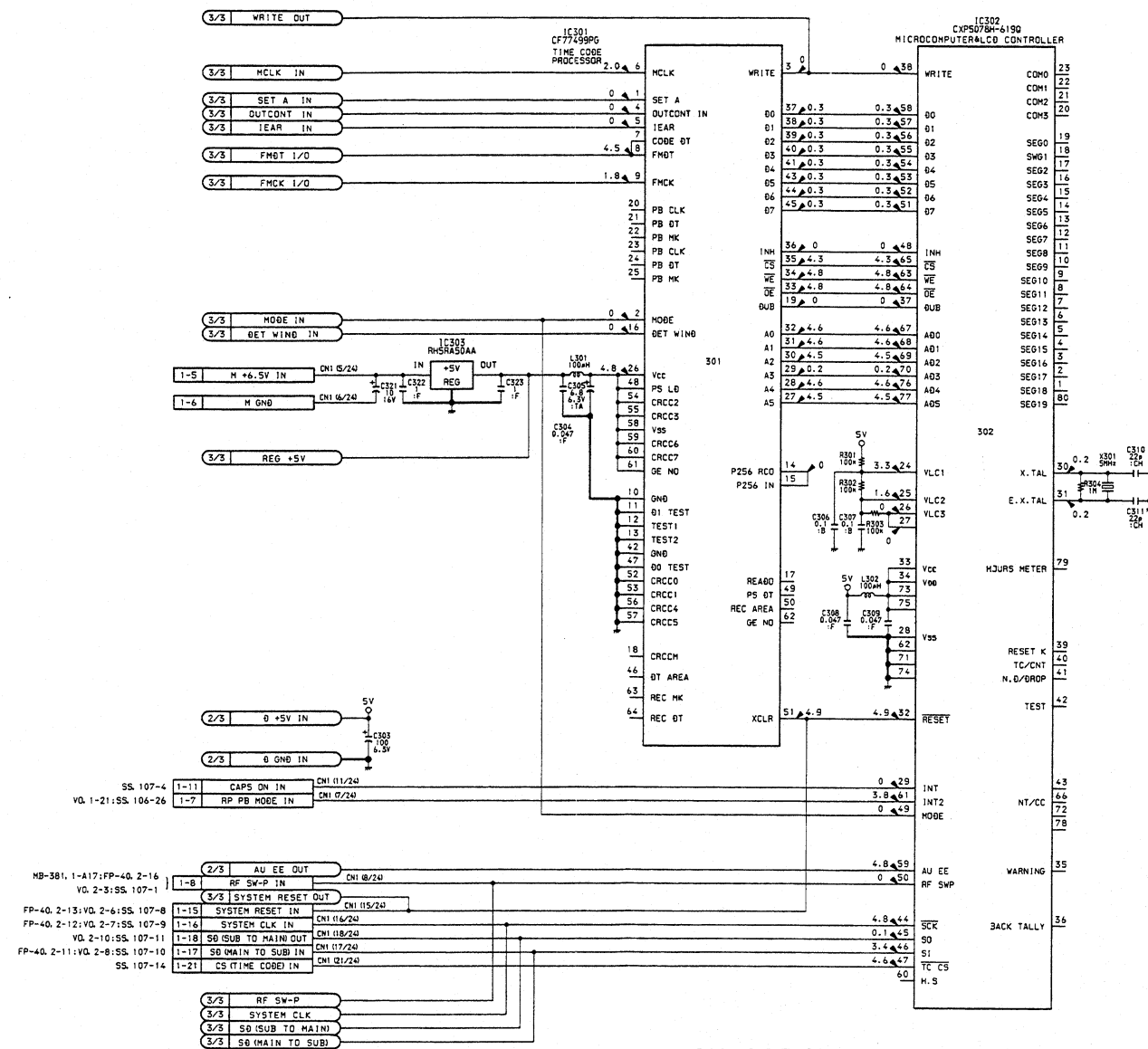
AU-162/162P (1-642-122-12)

+: B SIDE

CN1 A-1	*D201 D-1	IC6 D-4	*L1 D-4	*Q2 C-4	Q107 C-2	RV8 D-4	TP109 A-1
CN2 A-3	*D202 D-1	IC7 A-4	*L101 C-1	*Q3 D-4	Q110 A-2	RV102 B-2	TP110 A-3
CN3 D-3	E1 A-4	IC8 D-4	*L102 C-1	*Q4 D-4	Q112 A-2	RV103 A-3	TP201 D-1
CV201 D-1	E101 D-1	IC101 C-1	*L104 D-1	Q5 C-4	Q113 A-2	TP1 A-4	TP202 D-1
*D1 C-3	FL1 B-3	IC102 C-1	*L109 A-2	Q6 B-4	Q115 A-2	TP2 A-4	TP203 D-2
*D2 D-4	FL2 B-4	*IC104 D-1	*L110 C-2	*Q7 C-4	*Q116 A-2	TP3 A-3	X102 D-3
*D3 C-4	IC1 A-3	IC107 C-2	*L111 C-2	*Q8 C-4	RV1 A-3	TP4 A-3	X301 B-1
*D4 A-4	IC2 A-3	IC108 D-3	*L203 D-1	Q9 C-4	RV2 A-3	TP103 C-1	
*D101 C-1	IC3 A-4	*IC109 D-2	*L204 D-1	*Q10 A-4	RV3 B-4	TP104 A-2	
D102 C-2	IC4 C-3	IC202 D-1	*L301 A-1	*Q101 A-2	RV4 D-3	TP105 B-3	
D103 B-3	IC5 C-3	IC301 A-1	*L302 B-1	*Q103 B-2	RV5 D-4	TP106 A-1	
*D105 A-3		IC302 B-1	*Q1 C-3	*Q105 D-3	RV6 D-4	TP107 D-2	
		*IC303 A-1		*Q106 C-3	RV7 C-3	TP108 D-2	

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

TIME CODE PROCESS



AU-162/162P BOARD (1/3)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

注意:

- DC 電圧はデジタル電圧計による値。  
No Mark : EE mode
- DC 電圧は下記条件での測定。
  - OUTPUT : BARS
  - GAIN : 0dB
  - WHITE BAL : PRE
  - SHUTTER : OFF

NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : EE mode
- All DC voltage is measured in condition below.
  - OUTPUT : BARS
  - GAIN : 0dB
  - WHITE BAL : PRE
  - SHUTTER : OFF



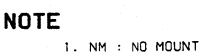
## 1

**2**

3

4

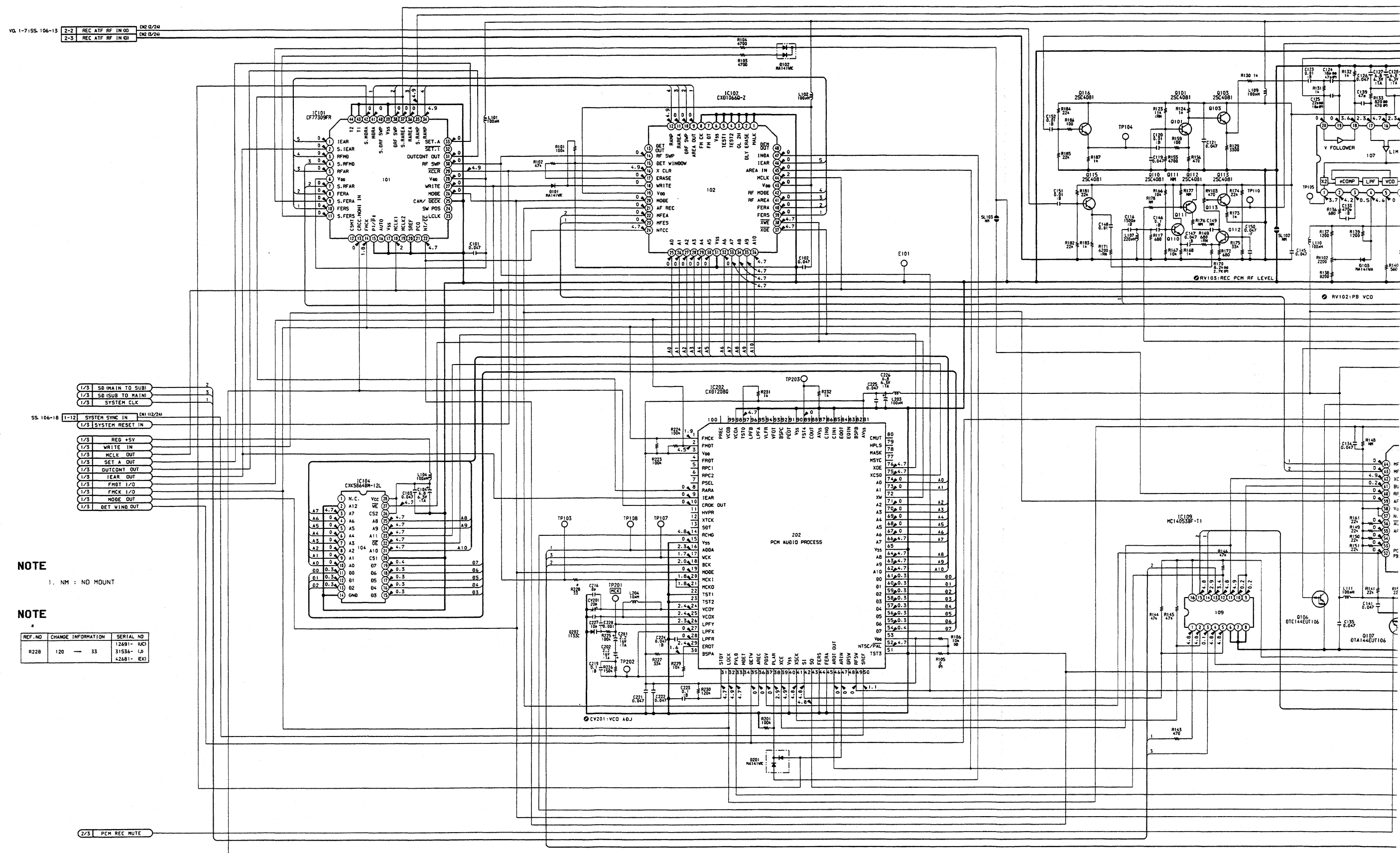
5



EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

## PCM PROCESS



EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-79

**C-80**

H

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

B-VF VV300-AU162/M

C-81

C-80

**F****F**

**G**

H

1

J

**K**

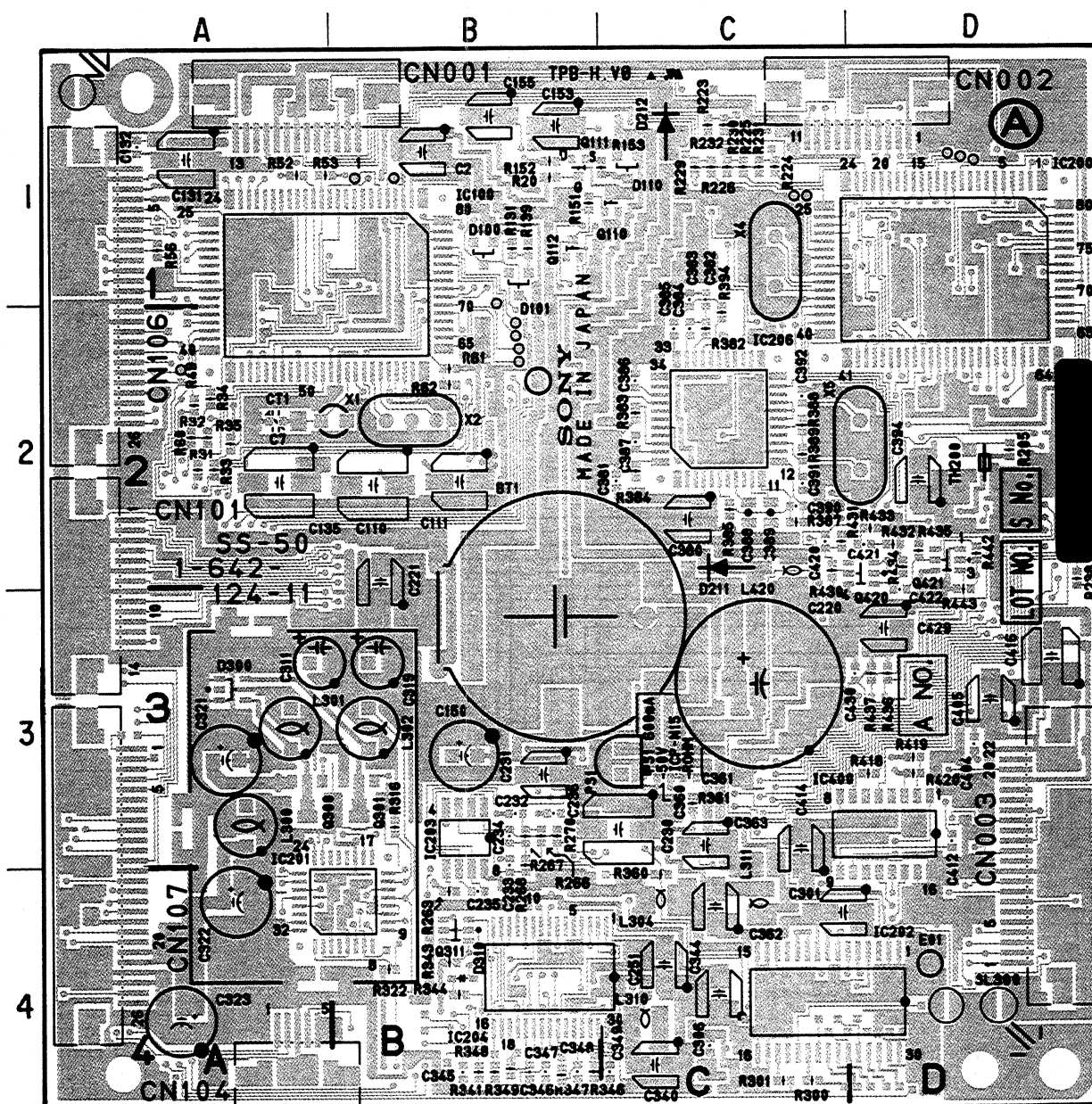
**L**



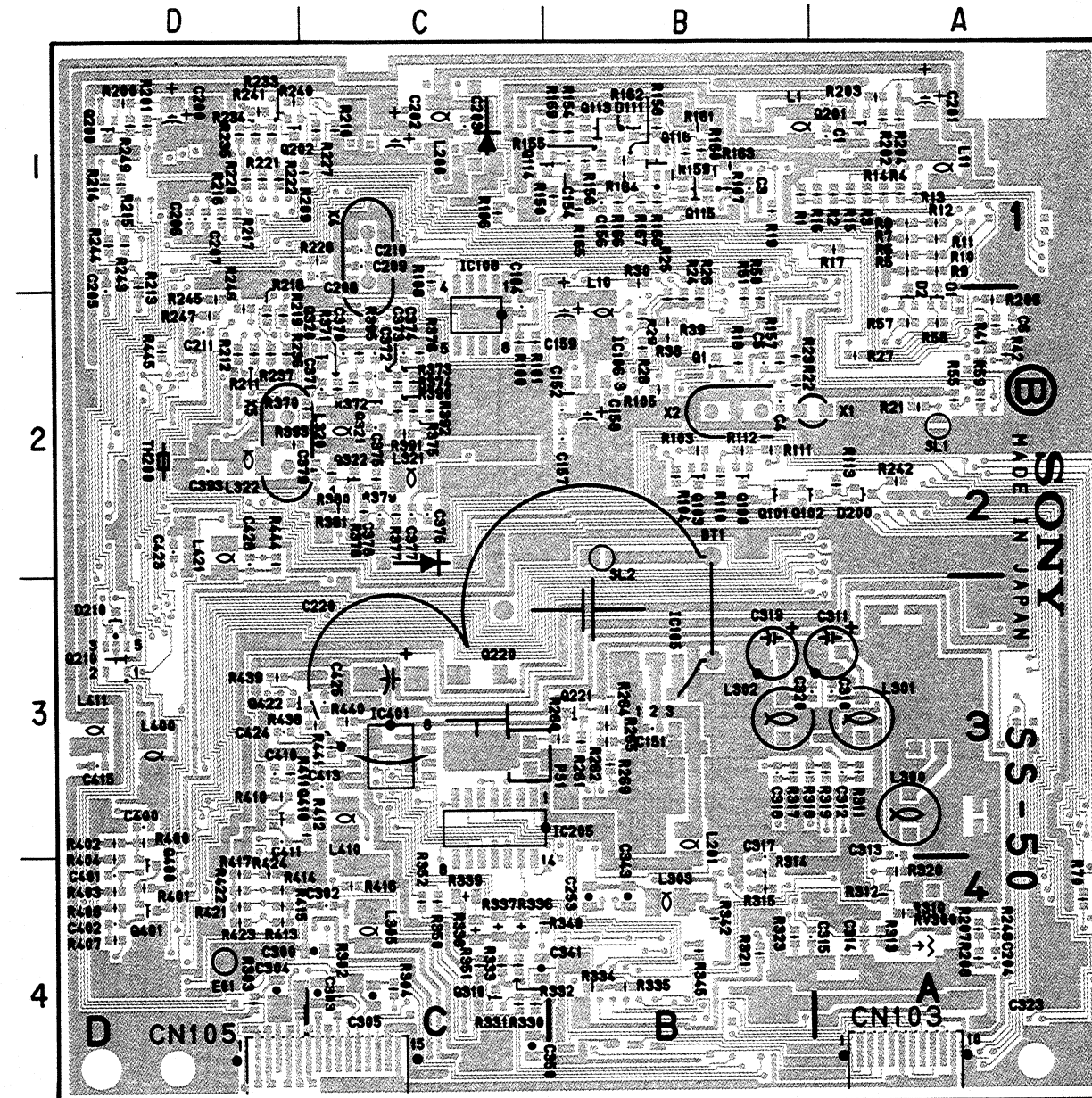


SS-50/50P BOARD

SERIAL No. 10001-11150 (UC)  
30001-30955 (J)  
40001-41050 (EK)



SS-50/50P — A SIDE —  
1-642-124-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



SS-50/50P — B SIDE —  
1-642-124-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

SS-50/50P (1-642-124-11)

\*: B SIDE

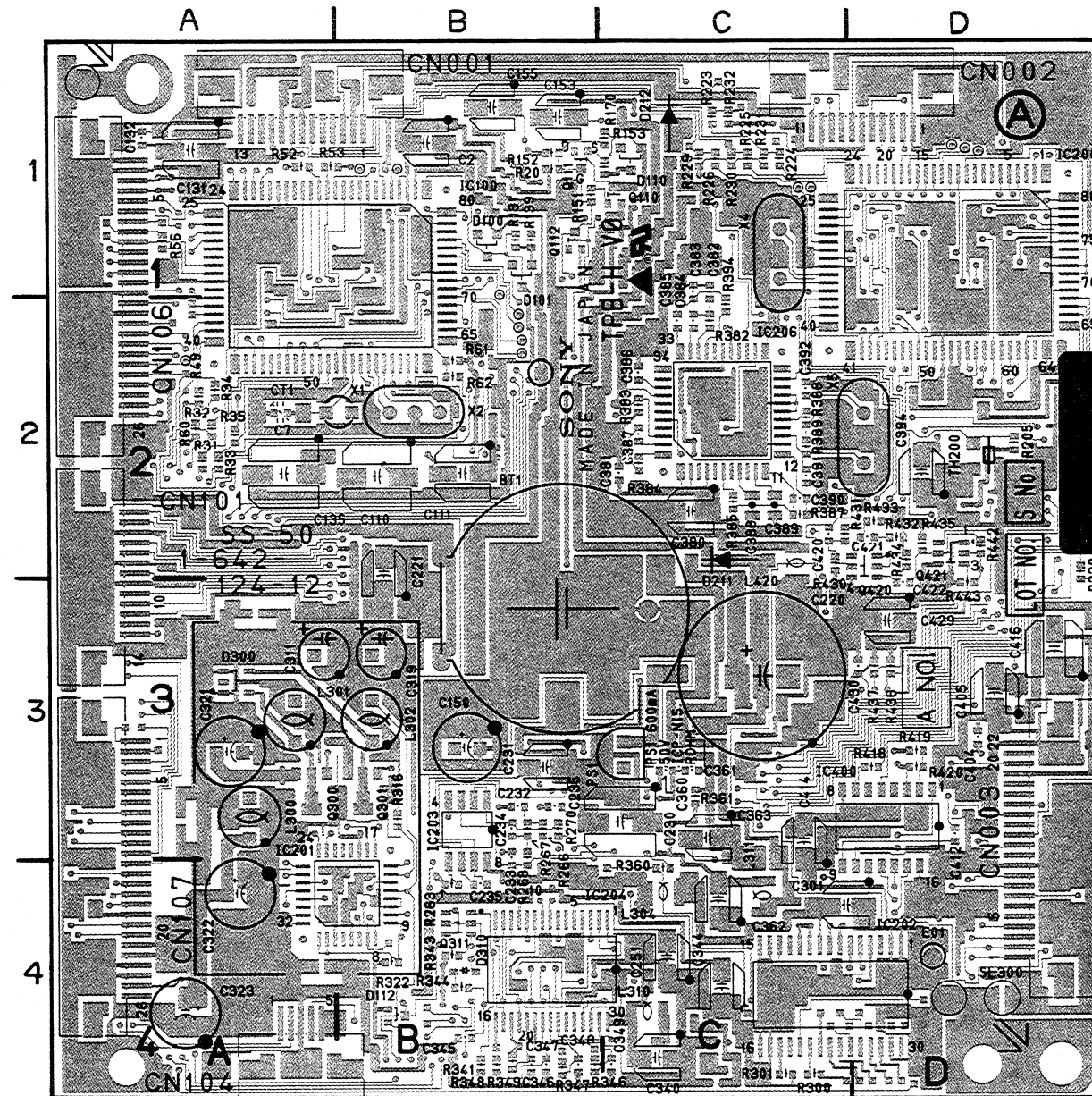
BT1	B-2	D101	B-2	*IC105	B-3	*L1	B-1	*L320	C-2	*Q101	B-2	*Q210	D-3	Q420	D-3
		D110	C-1	*IC106	B-2	*L10	B-1	*L321	C-2	*Q102	A-2	*Q220	C-3	Q421	D-2
CN1	B-1	*D111	B-1	*IC108	C-1	*L11	A-1	*L322	D-2	*Q103	B-2	*Q221	B-3	*Q422	D-3
CN2	D-1	*D200	A-2	IC200	D-1	*L200	C-1	*L400	D-3	Q110	C-1	Q300	A-3		
CN3	D-3	*D210	D-3	IC201	A-3	*L201	B-3	*L410	C-3	Q111	B-1	Q301	B-3	*RV300	A-4
CN101	A-2	D211	C-2	IC202	D-4	L300	A-3	*L411	D-3	Q112	B-1	*Q310	C-4		
CN104	A-4	D212	C-1	IC203	B-3	L301	A-3	L420	C-2	*Q113	B-1	Q311	B-4	TH200	D-2
CN106	A-2	D300	A-3	IC204	B-4	L302	B-3	*L421	D-2	*Q114	C-1	*Q320	C-2		
CN107	A-4	D310	B-4	*IC205	B-3	*L303	B-4			*Q115	B-1	*Q321	C-2	X1	B-2
				IC206	C-2	L304	C-4	PS1	B-3	*Q116	B-1	*Q322	C-2	X2	B-2
*D1	A-2	E1	D-4	IC400	C-3	*L305	C-4			*Q200	D-1	*Q400	D-4	X4	C-1
*D2	A-2			*IC401	C-3	L310	C-4	*Q1	B-2	*Q201	A-1	*Q401	D-4	X5	C-2
D100	B-1	IC100	B-1			L311	C-3	*Q100	B-2	*Q202	D-1	*Q410	D-3		

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## SS-50/50P BOARD

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)



SS-50/50P - A SIDE -

1-642-124-12

EVW-300 (J)

EVW-300 (UC)

EVW-300P (EK)

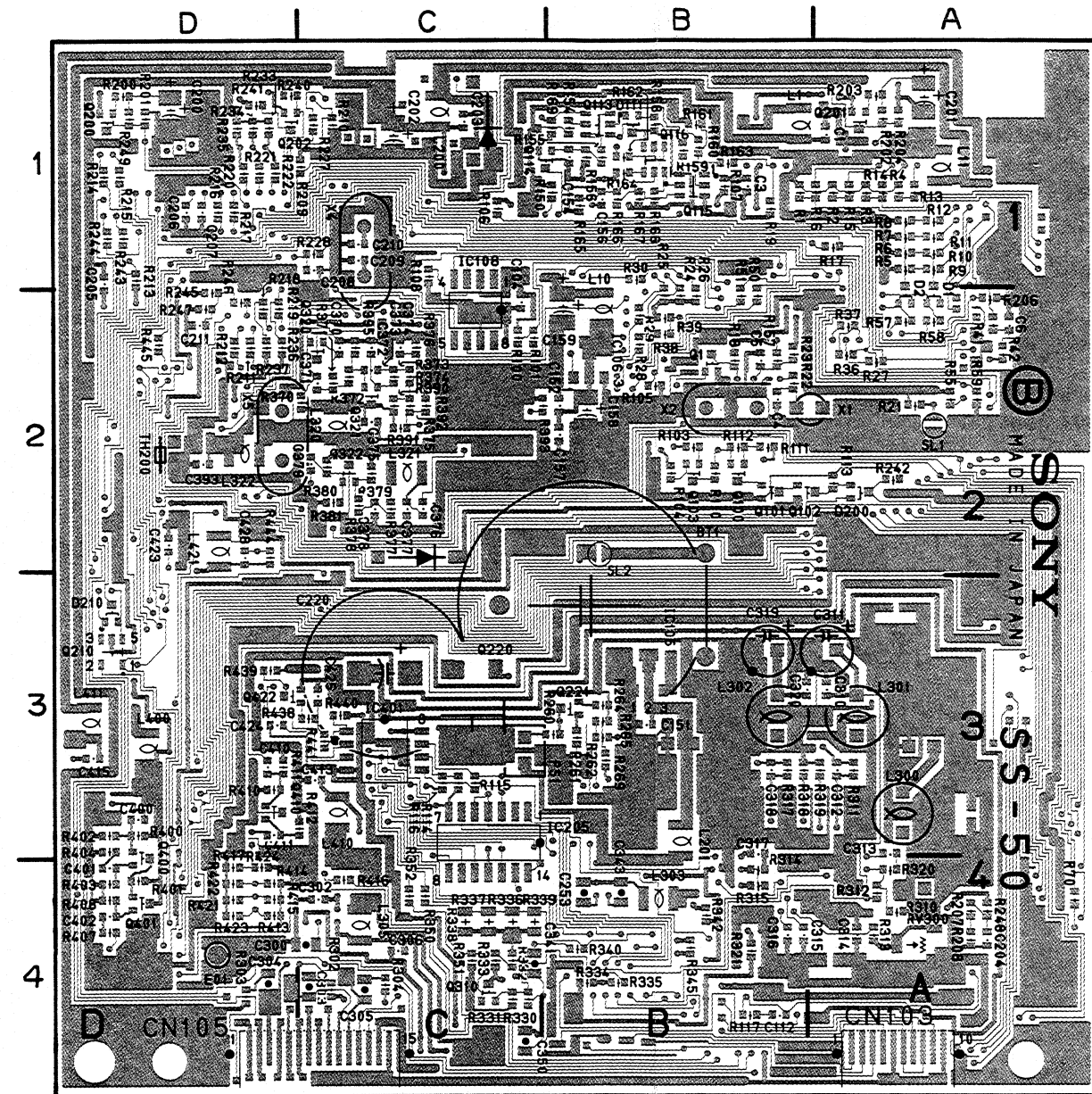
SS-50/50P (1-642-124-12)

\*.: B SIDE

BT1 B-2	D101 B-2	*IC105 B-3	*L1 B-1	*L320 C-2	*Q101 B-2	*Q210 D-3	Q420 D-3
	D110 C-1	*IC106 B-2	*L10 B-1	*L321 C-2	*Q102 A-2	*Q220 C-3	Q421 D-2
CN1 B-1	*D111 B-1	*IC108 C-1	*L11 A-1	*L322 D-2	*Q103 B-2	*Q221 B-3	*Q422 D-3
CN2 D-1	*D200 A-2	IC200 D-1	*L200 C-1	*L400 D-3	Q110 C-1	Q300 A-3	
CN3 D-3	*D210 D-3	IC201 A-3	*L201 B-3	*L410 C-3	Q111 B-1	Q301 B-3	*RV300 A-4
CN101 A-2	D211 C-2	IC202 D-4	L300 A-3	*L411 D-3	Q112 B-1	*Q310 C-4	
CN104 A-4	D212 C-1	IC203 B-3	L301 A-3	L420 C-2	*Q113 B-1	Q311 B-4	TH200 D-2
CN106 A-2	D300 A-3	IC204 B-4	L302 B-3	*L421 D-2	*Q114 C-1	Q320 C-2	
CN107 A-4	D310 B-4	*IC205 B-3	*L303 B-4		*Q115 B-1	*Q321 C-2	X1 B-2
		IC206 C-2	L304 C-4	PS1 B-3	*Q116 B-1	*Q322 C-2	X2 B-2
*D1 A-2	E1 D-4	IC400 C-3	*L305 C-4		*Q200 D-1	*Q400 D-4	X4 C-1
*D2 A-2		*IC401 C-3	L310 C-4	*Q1 B-2	*Q201 A-1	*Q401 D-4	X5 C-2
D100 B-1	IC100 B-1		L311 C-3	*Q100 B-2	*Q202 D-1	*Q410 D-3	

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-85



SS-50/50P - B SIDE -

1-642-124-12

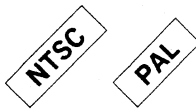
EVW-300 (J)

EVW-300 (UC)

EVW-300P (EK)

C-86

## SS-50/50P BOARD

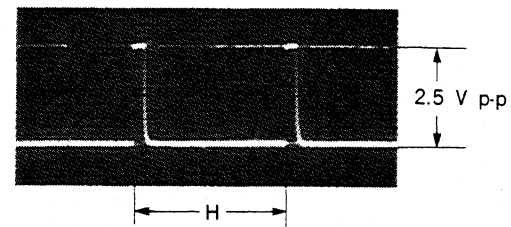
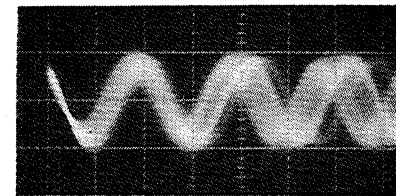


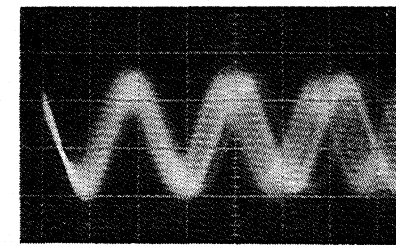
## 注意:

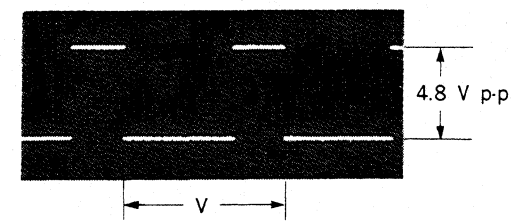
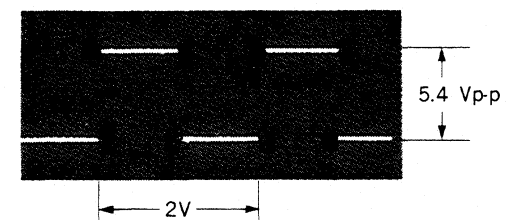
- DC 電圧はデジタル電圧計による値。  
No Mark : REC mode  
( ) Mark : PB mode
- 波形写真、及び DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : REC mode  
( ) Mark : PB mode
- All waveforms are taken and DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

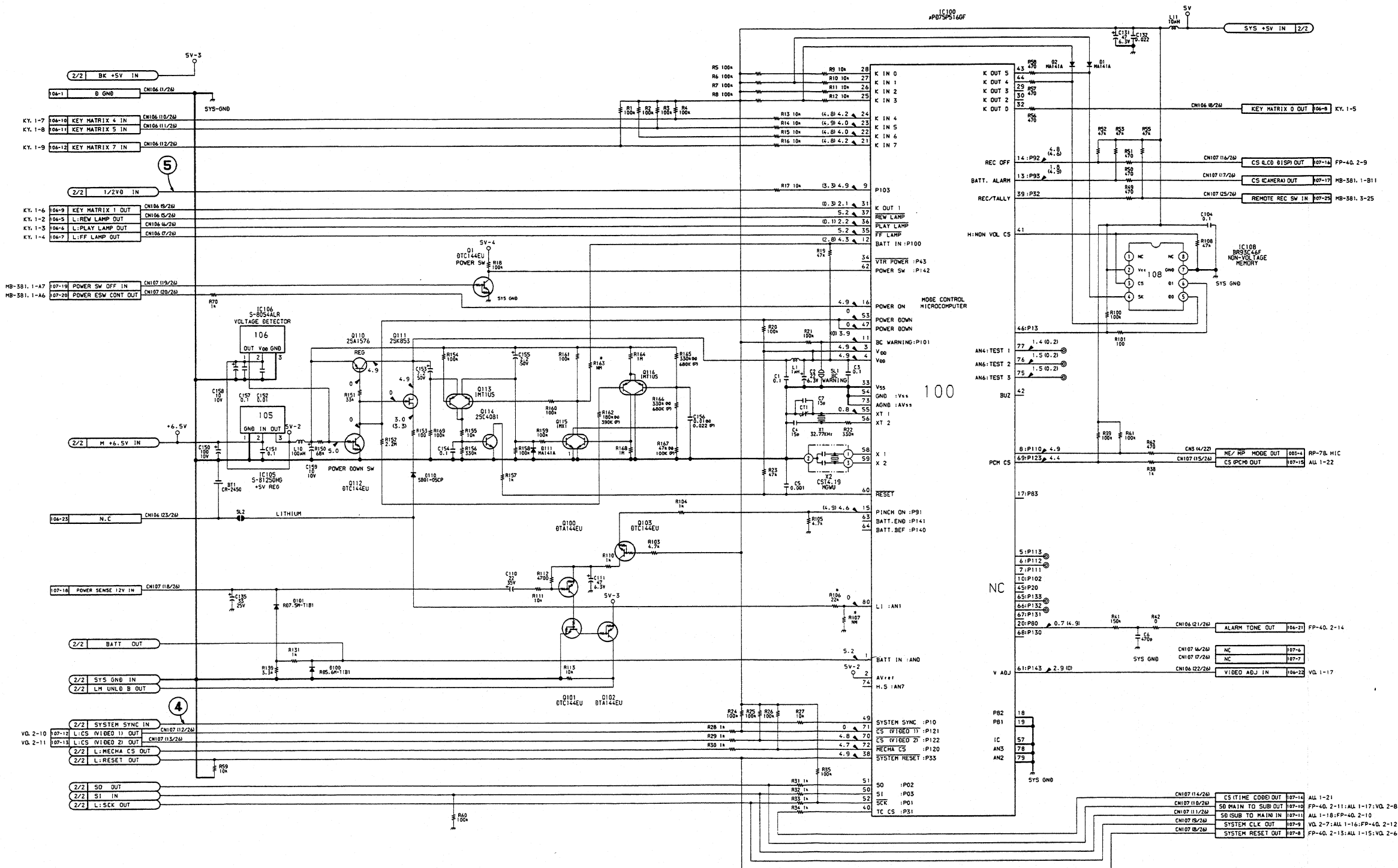
① CN106-15 REC/PB mode  
COMPOSITE SYNC

② CN101-5 PB mode  
PB VAA RF

H: 100 ns/DIV  
V: 500 mV/DIV

③ CN3-16 PB mode  
PB RF

H: 100 ns/DIV  
V: 200 mV/DIV

④ CN106-18 REC/PB mode  
SYSTEM SYNC

⑤ CN106-19 REC/PB mode  
FR PULSE




SYSTEM CONTROL



NOTE

1. ( ) : PB MODE
2. NM : NO MOUNT
3. (N) : NTSC only
4. (P) : PAL only

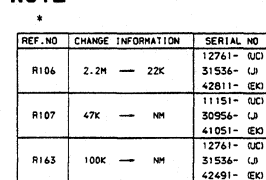
NOTE

REF. NO	CHANGE INFORMATION	SERIAL NO
R106	2.2M → 22K	12761- (UC)
		31536- (J)
		42811- (EK)
R107	47K → NM	11151- (UC)
		30956- (J)
		41051- (EK)
R163	100K → NM	12761- (UC)
		31536- (J)
		42491- (EK)

SS-50/50P BOARD (1/2)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

8-EVW300-55502M



2

3

4

8-YEVW300-SS50/M

DRUM/CAPSTAN/ATF SERVO  
MECHANISM CONTROL

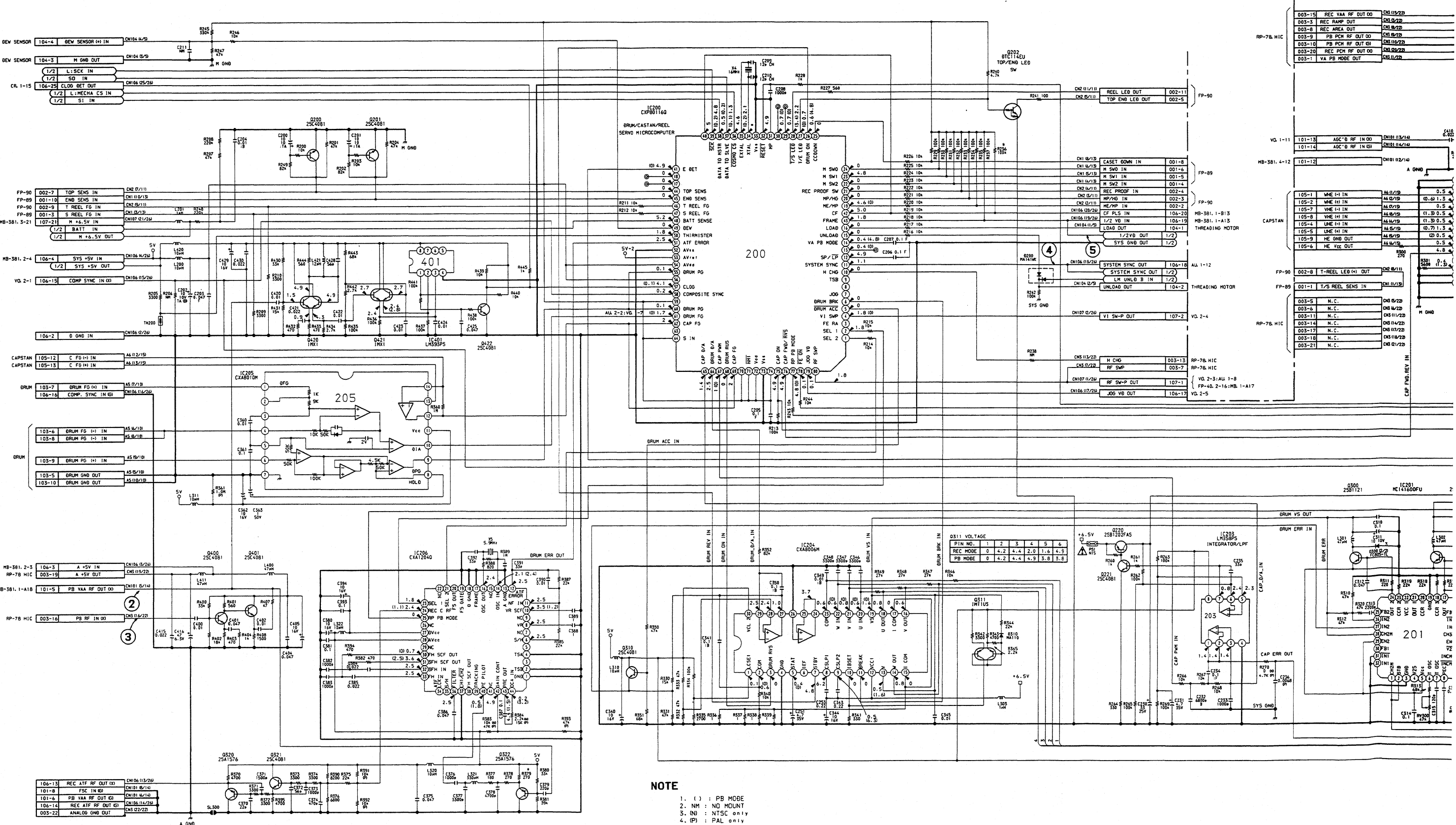
1

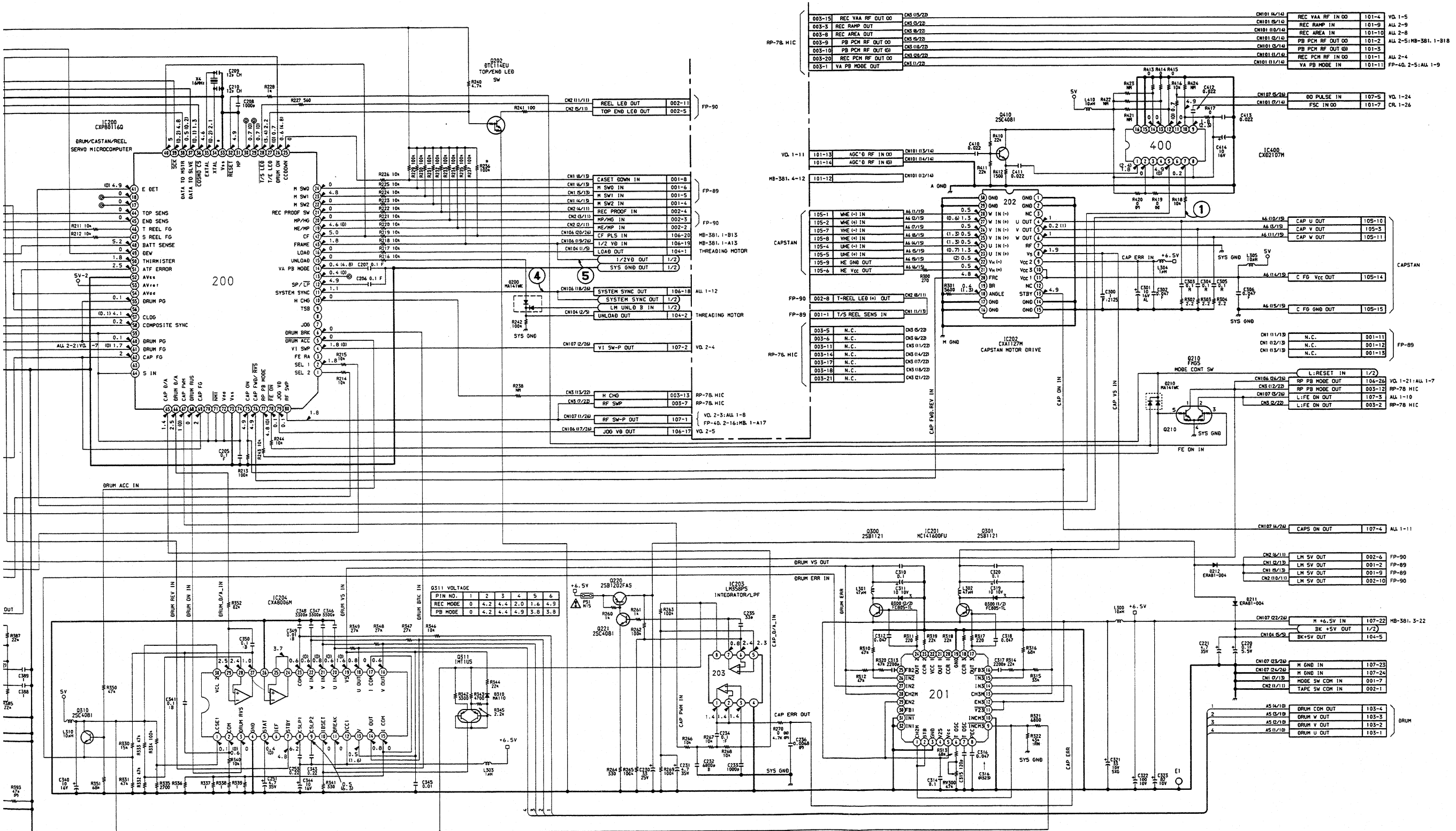
2

3

4

5





1. ( ) : PB MODE
2. NM : NO MOUNT
3. (N) : NTSC only
4. (P) : PAL only

CHANGE INFORMATION	SERIAL NO
100K — NH	11301- (JC) 31106- (J)
560 — 270	10381- (JC) 30161- (J) 40291- (EK)

**SS-50/50P BOARD (2/2)**

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

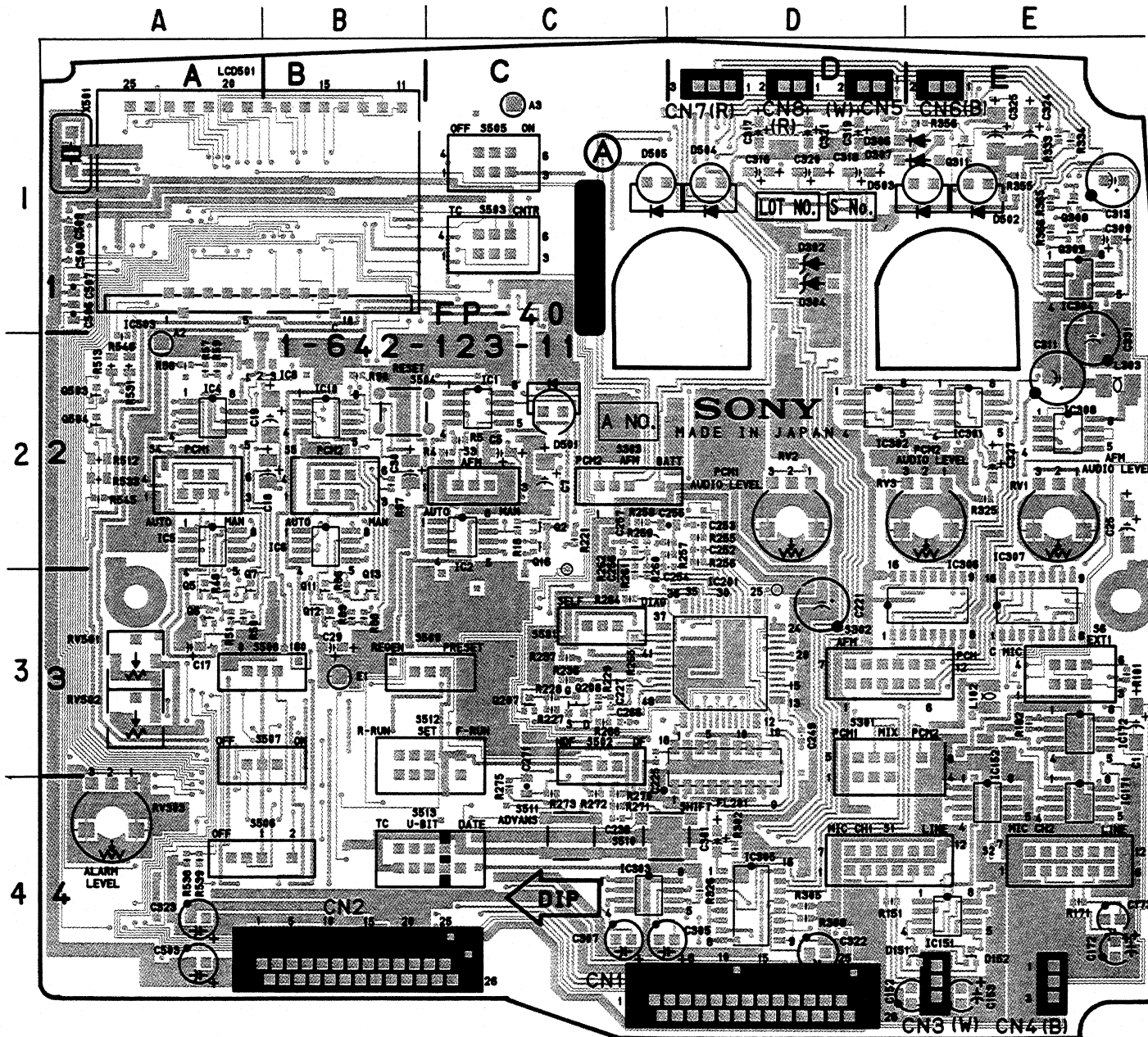
B-VFW300-SS50/M

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## FP-40/40P BOARD

**SERIAL No. 10001—11450 (UC)**  
**30001—31225 (J)**  
**40001—41280 (EK)**



**FP-40/40P — A SIDE —**

1-642-123-11

EVW-300 (J)

EVW-300 (UC)

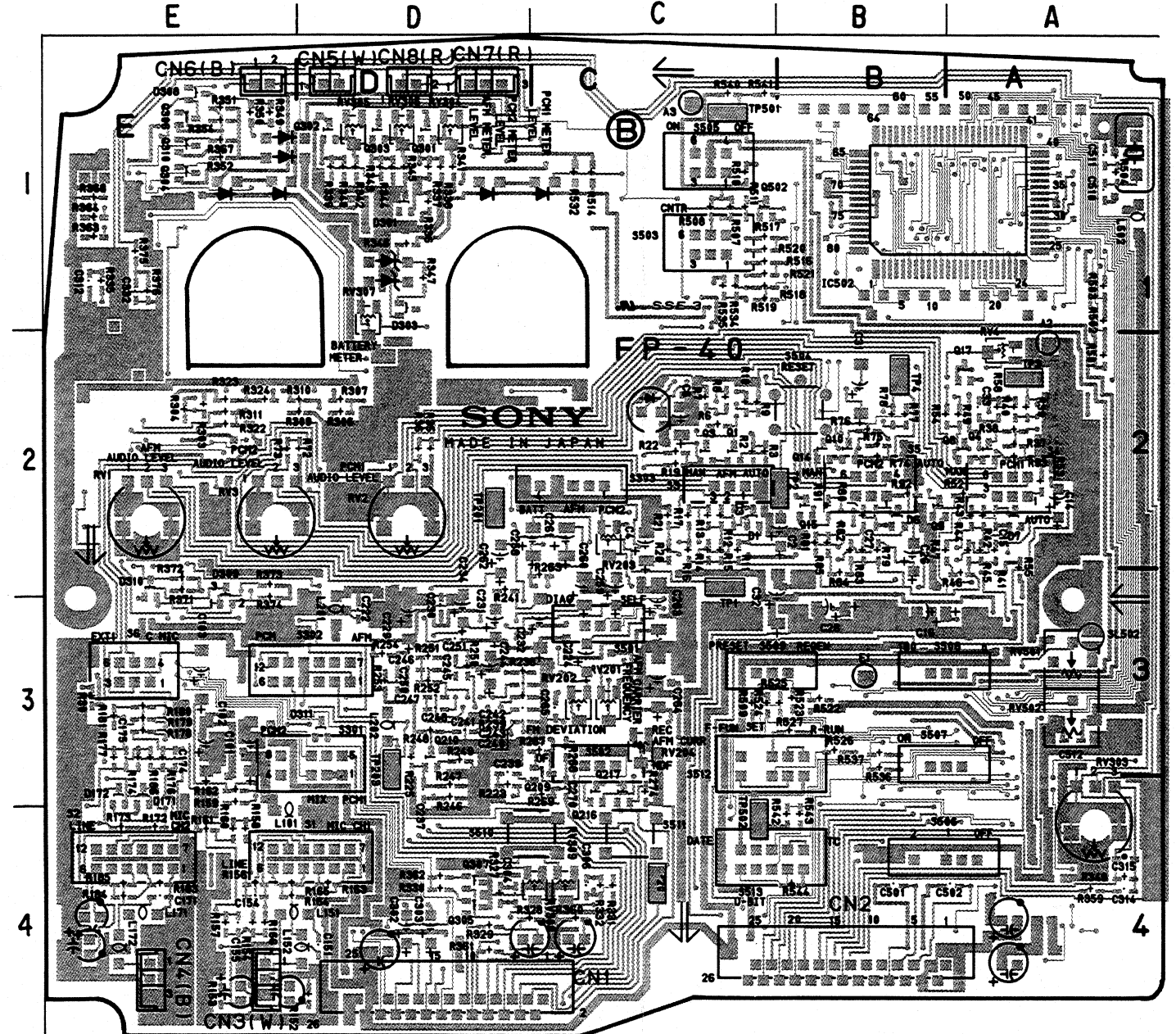
EVW-300P (EK)

FP-40/40P (1-642-123-11)

\*: B SIDE

*CN1	C-4	D151	D-4	*D310	E-3	IC1	C-2	IC301	E-2	*L101	E-2
*CN2	B-4	D152	E-4	*D311	D-3	IC2	C-2	IC302	D-2	L102	E-2
*CN3	E-4	*D171	E-4	D501	C-2	IC4	A-2	IC303	C-4	*L151	D-2
*CN4	E-4	*D172	E-4	D502	E-1	IC5	A-2	IC304	E-1	*L152	E-2
*CN5	D-1	*D301	D-1	D503	D-1	IC6	B-2	IC305	D-4	*L171	E-2
*CN6	E-1	D302	D-1	D504	D-1	IC8	B-2	IC306	E-2	*L172	E-2
*CN7	D-1	*D303	D-1	D505	C-1	IC10	B-2	IC307	E-2	*L201	D-2
*CN8	D-1	D304	D-1			IC151	E-4	IC308	E-2	*L202	D-2
		D306	D-1	*E1	B-3	IC152	E-3	*IC502	B-1	L303	E-2
*D1	C-2	D307	D-1			IC171	E-4	IC503	A-1	*L502	A-2
*D6	B-2	*D308	E-1	FL201	D-4	IC172	E-3				
*D7	A-2	*D309	E-3			IC201	D-3	LCD501	A-1	*Q1	C-2

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



**FP-40/40P — B SIDE —**

1-642-123-11

EVW-300 (J)

EVW-300 (UC)

EVW-300P (EK)

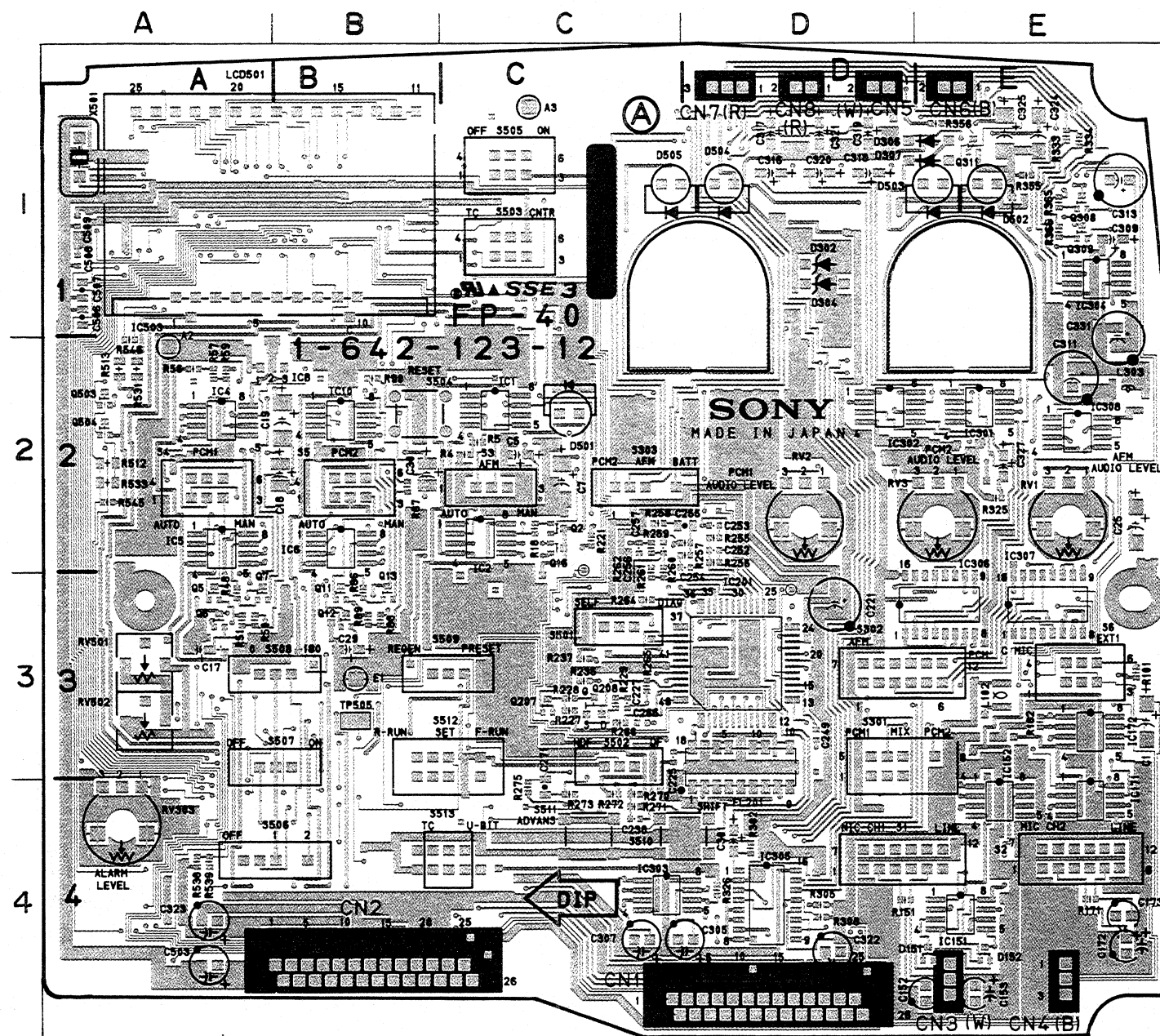
*Q303	D-1	Q504	A-2	*RV305	D-1	S4	A-2	S506	B-4	*TP3	A-1
*Q304	E-1			*RV306	D-1	S5	B-2	S507	B-3	*TP4	B-2
*Q305	D-4	RV1	E-2	*RV307	D-1	S6	E-3	S508	B-3	*TP201	D-2
*Q306	E-1	RV2	D-2	*RV308	C-4	S301	D-3	S509	C-3	*TP202	C-4
*Q307	D-4	RV3	D-2	*RV309	C-4	S302	D-3	S510	C-4	*TP203	D-3
Q308	E-1	*RV4	A-2	RV501	A-3	S303	C-2	S511	C-4	*TP501	C-1
Q309	E-1	*RV201	C-3	RV502	A-3	S501	C-3	S512	C-3	*TP502	C-4
*Q310	E-1	*RV202	C-3			S502	C-3	S513	C-4	TP505	C-3
Q311	E-1	*RV203	C-2	S1	D-4	S503	C-1				
*Q502	C-1	RV303	A-4	S2	E-4	S504	B-2	*TP1	C-3	X501	A-1
Q503	A-2	*RV304	D-1	S3	C-2	S505	C-1	*TP2	B-2		

C-96



FP-40/40P BOARD

SERIAL No. 11451 and higher (UC)  
31226 and higher (J)  
41281 and higher (EK)



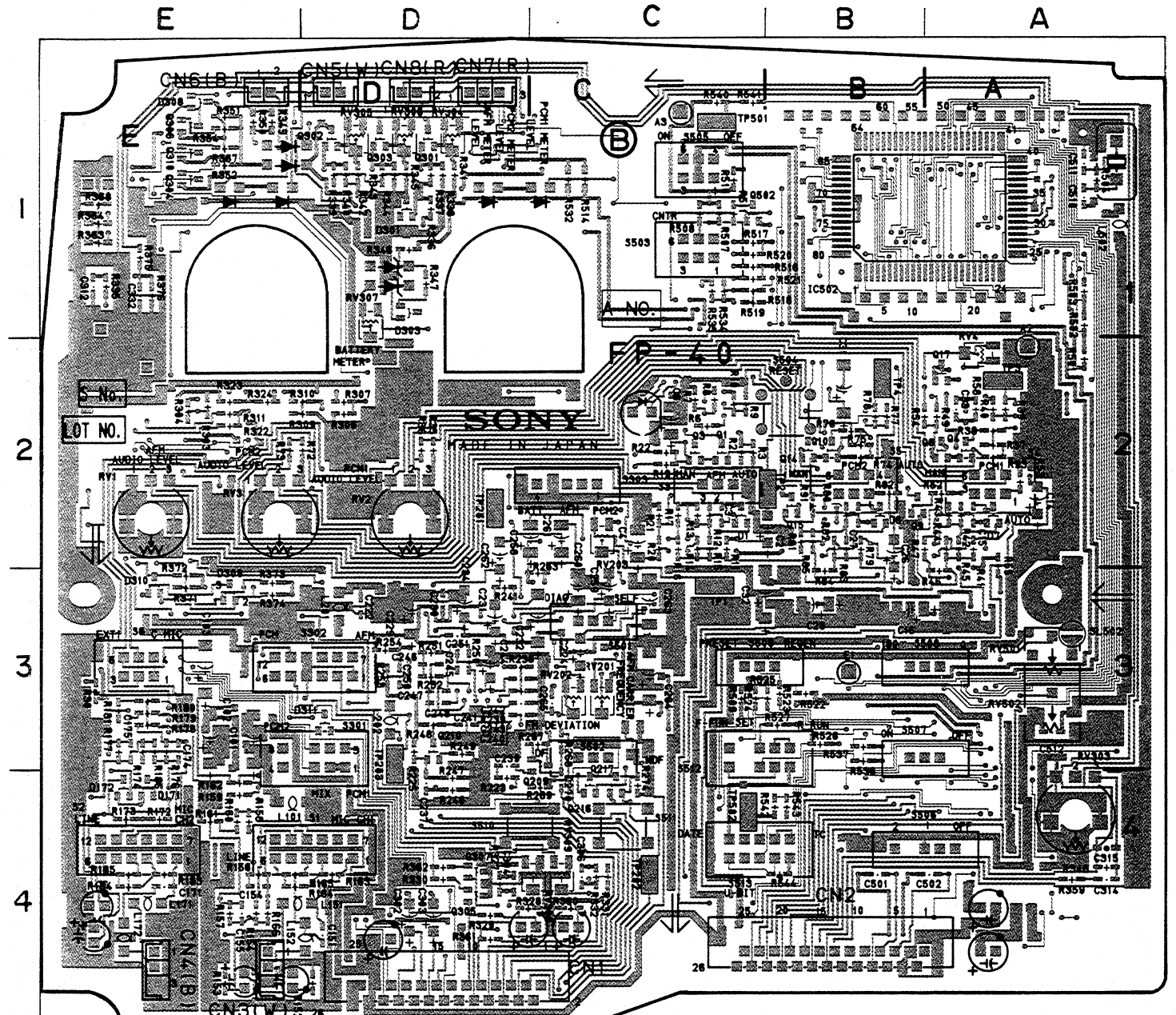
**FP-40/40P — A SIDE —**  
1-642-123-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

FP-40/40P (1-642-123-12)

\*: B SIDE

*CN1	C-4	D151	D-4	*D310	E-3	IC1	C-2	IC301	E-2	*L101	E-4	Q2	C-2	*Q14	B-2	*Q303	D-1	Q504	A-2	*RV305	D-1	S4	A-2	S506	B-4	*TP3	A-1
*CN2	B-4	D152	E-4	*D311	D-3	IC2	C-2	IC302	D-2	L102	E-3	*Q3	C-2	*Q15	B-2	*Q304	E-1			*RV306	D-1	S5	B-2	S507	B-3	*TP4	B-2
*CN3	E-4	*D171	E-4	D501	C-2	IC4	A-2	IC303	C-4	*L151	D-4	*Q4	A-2	Q16	C-2	*Q305	D-4	RV1	E-2	*RV307	D-1	S6	E-3	S508	B-3	*TP201	D-2
*CN4	E-4	*D172	E-4	D502	E-1	IC5	A-2	IC304	E-1	*L152	E-4	Q5	A-3	*Q17	A-2	*Q306	E-1	RV2	D-2	*RV308	C-4	S301	D-3	S509	C-3	*TP202	C-4
*CN5	D-1	*D301	D-1	D503	D-1	IC6	B-2	IC305	D-4	*L171	E-4	Q6	A-3	Q207	C-3	*Q307	D-4	RV3	D-2	*RV309	C-4	S302	D-3	S510	C-4	*TP203	D-3
*CN6	E-1	D302	D-1	D504	D-1	IC8	B-2	IC306	E-2	*L172	E-4	Q7	A-3	Q208	C-3	Q308	E-1	*RV4	A-2	RV501	A-3	S303	C-2	S511	C-4	*TP501	C-1
*CN7	D-1	*D303	D-1	D505	C-1	IC10	B-2	IC307	E-2	*L201	D-3	*Q8	A-2	*Q209	C-4	Q309	E-1	*RV201	C-3	RV502	A-3	S501	C-3	S512	C-3	*TP502	C-4
*CN8	D-1	D304	D-1			IC151	E-4	IC308	E-2	*L202	D-3	*Q9	B-2	*Q210	D-3	*Q310	E-1	*RV202	C-3			S502	C-3	S513	C-4	TP505	C-3
		D306	D-1	*E1	B-3	IC152	E-3	*IC502	B-1	L303	E-2	*Q10	B-2	*Q216	C-4	Q311	E-1	*RV203	C-2	S1	D-4	S503	C-1				
*D1	C-2	D307	D-1			IC171	E-4	IC503	A-1	*L502	A-1	Q11	B-3	*Q217	C-4	*Q502	C-1	RV303	A-4	S2	E-4	S504	B-2	*TP1	C-3	X501	A-1
*D6	B-2	*D308	E-1	FL201	D-4	IC172	E-3					Q12	B-3	*Q301	D-1	Q503	A-2	*RV304	D-1	S3	C-2	S505	C-1	*TP2	B-2		
*D7	A-2	*D309	E-3			IC201	D-3	LCD501	A-1	*Q1	C-2	Q13	B-3	*Q302	D-1												

C-97

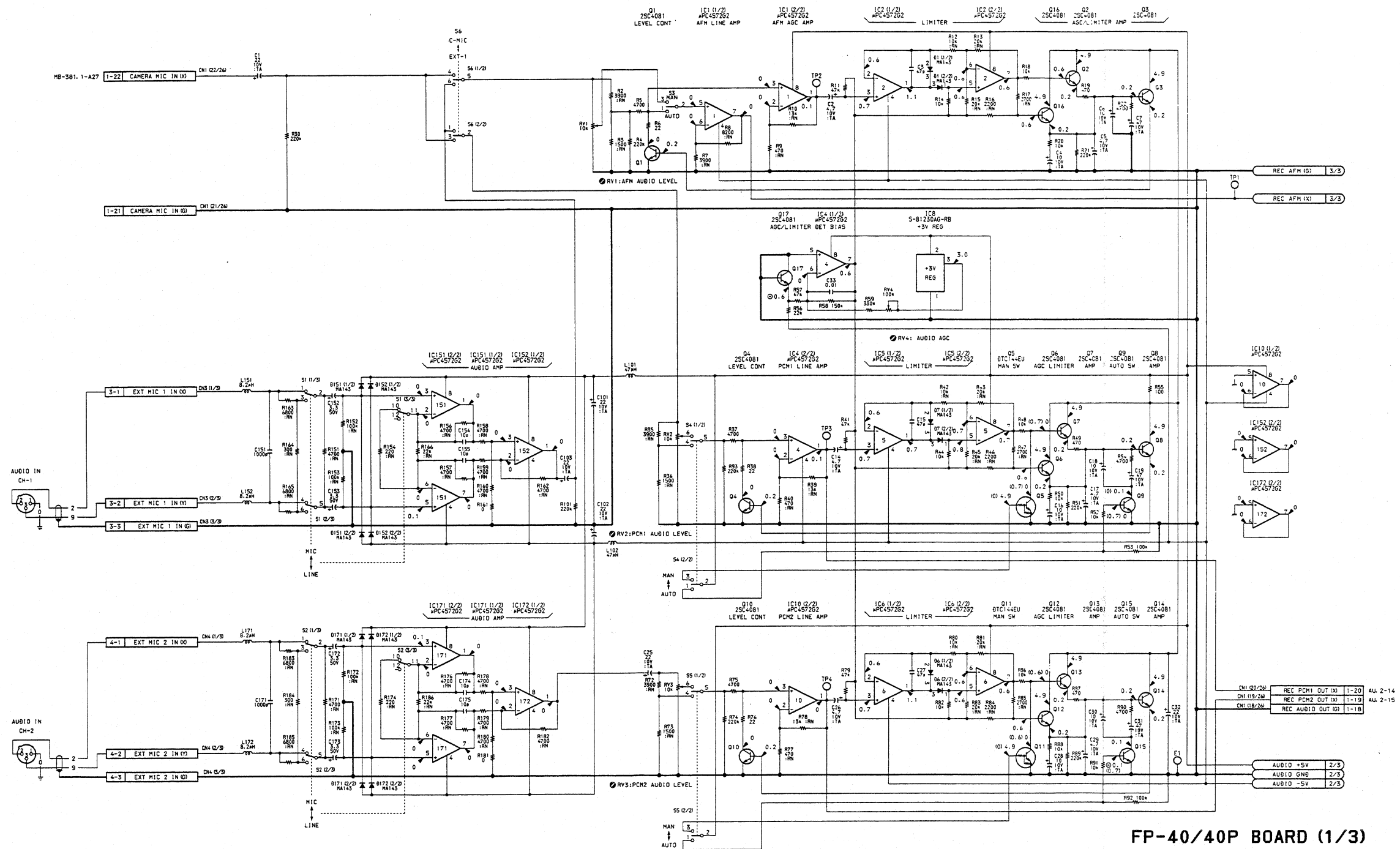


**FP-40/40P — B SIDE —**  
1-642-123-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-98

AUDIO INPUT/OUTPUT AMP



- 注意:
- DC 電圧はデジタル電圧計による値。  
No Mark : EE mode
  - DC 電圧は下記条件での測定。
    - OUTPUT : BARS
    - GAIN : 0dB
    - WHITE BAL : PRE
    - SHUTTER : OFF

- NOTE:
- All voltage are DC. measured with a digital voltmeter.  
No mark : EE mode
  - All DC voltage is measured in condition below.
    - OUTPUT : BARS
    - GAIN : 0dB
    - WHITE BAL : PRE
    - SHUTTER : OFF

NOTE  
1. NM : NO MOUNT

FP-40/40P BOARD (1/3)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

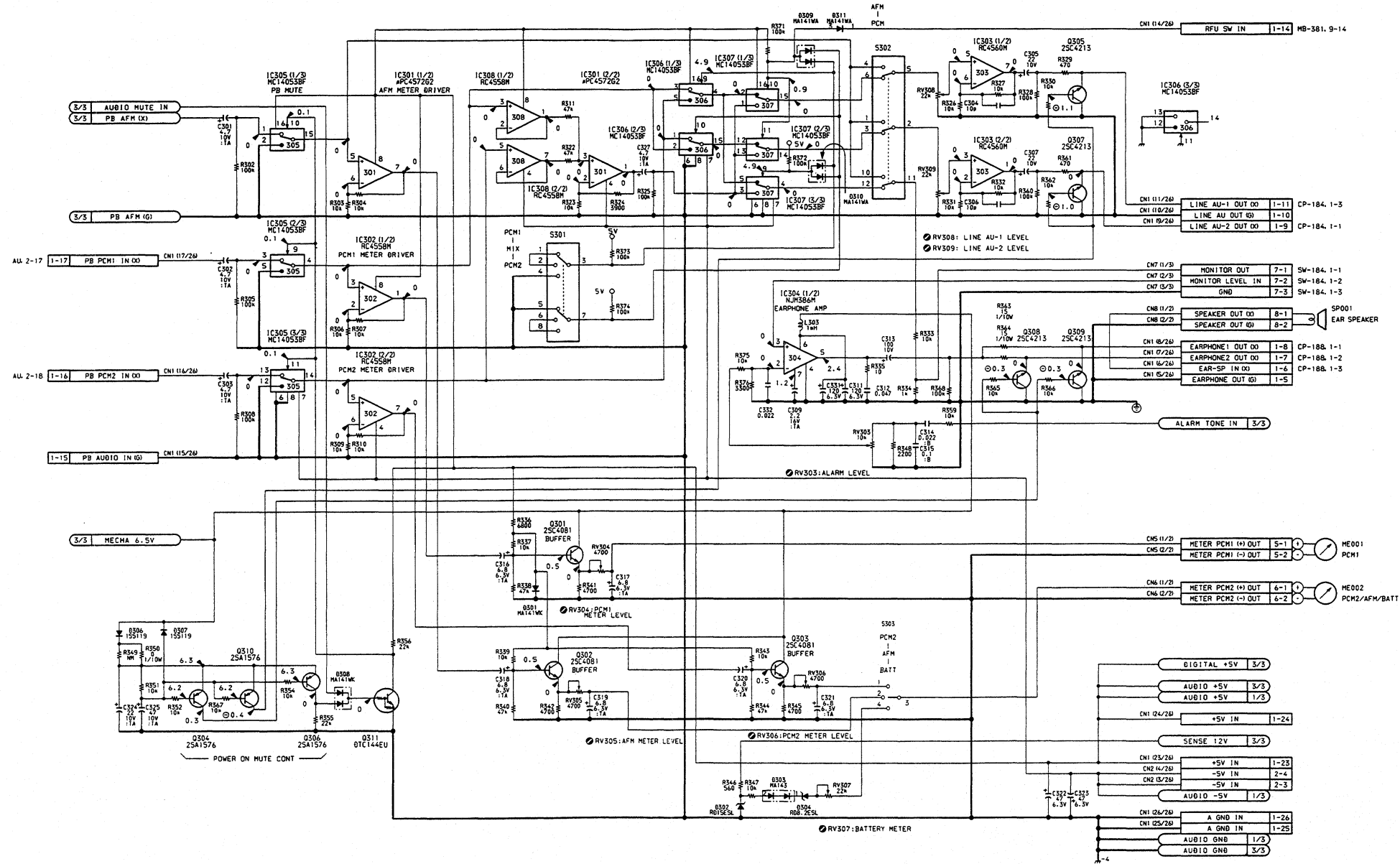
C-99

C-100

A | B | C | D | E | F | G | H



AUDIO INPUT/OUTPUT AMP



NOTE  
1. NM : NO MOUNT

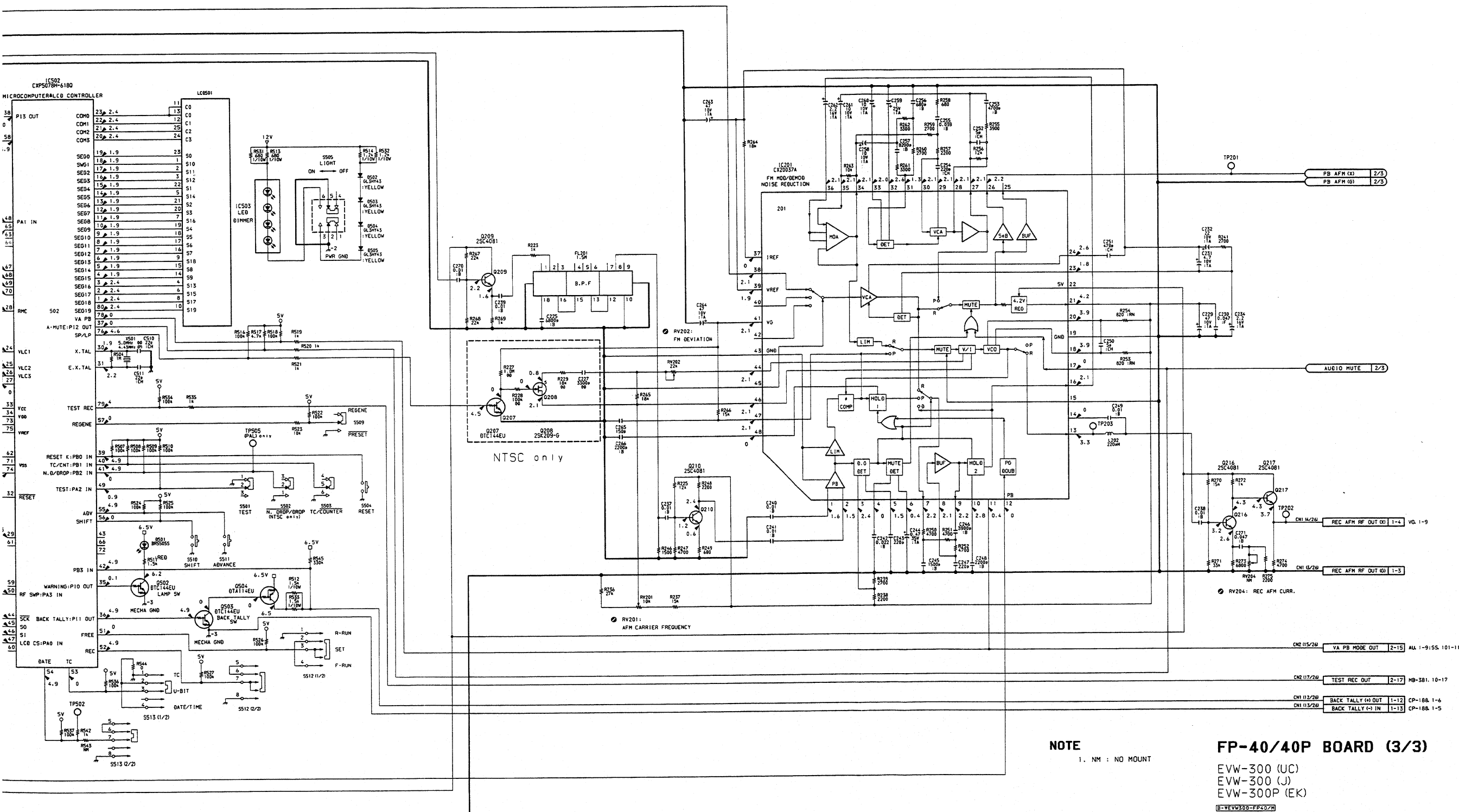
FP-40/40P BOARD (2/3)

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

(B-YE) EVW-300-PP-2/3

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



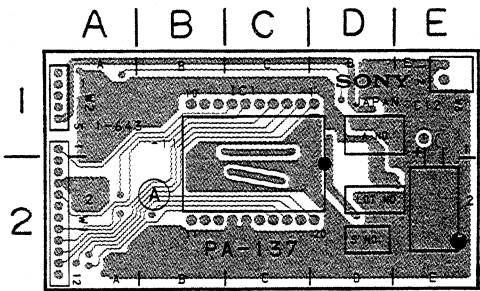


NOTE  
1. NM : NO MOUNT

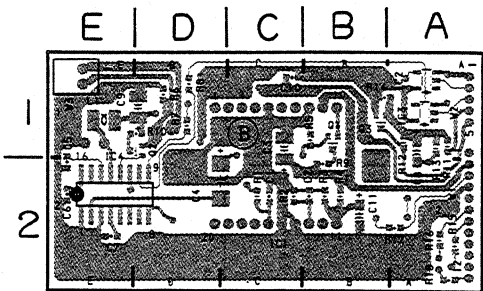
**FP-40/40P BOARD (3/3)**  
EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)  
B-EVW300-PP40P

PA-137 (B) (G) (R)/137P (B) (R) BOARD

SERIAL No. 10001—10480 (UC)  
30001—30270 (J)  
40001—40450 (EK)

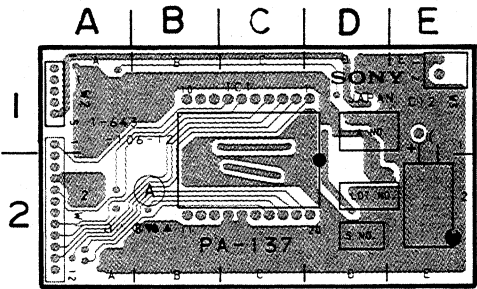


PA-137 (B) (G) (R)/137P (B) (R) — A SIDE —  
1-643-106-11

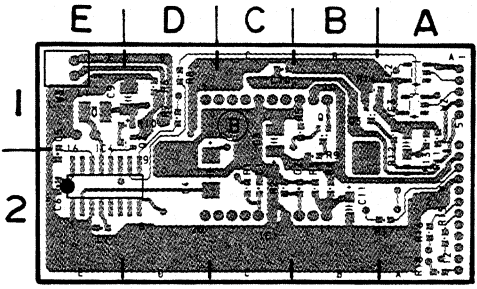


PA-137 (B) (G) (R)/137P (B) (R) — B SIDE —  
1-643-106-11

SERIAL No. 10481—12880 (UC)  
30271—31535 (J)  
40451—42810 (EK)

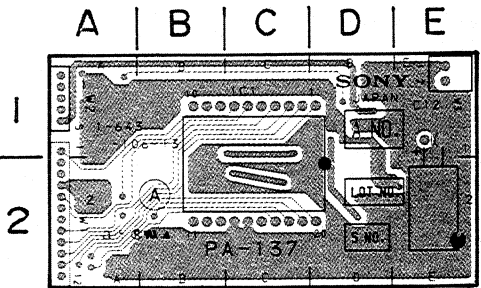


PA-137 (B) (G) (R)/137P (B) (R) — A SIDE —  
1-643-106-12

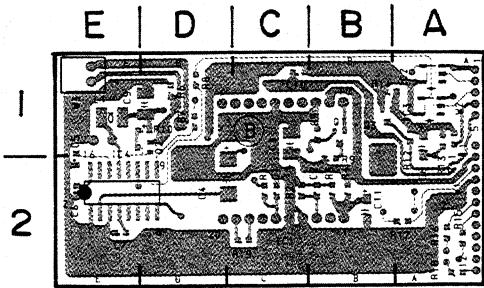


PA-137 (B) (G) (R)/137P (B) (R) — B SIDE —  
1-643-106-12

SERIAL No. 12881 and higher (UC)  
31536 and higher (J)  
42811 and higher (EK)

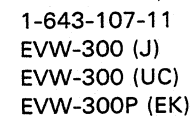


PA-137 (B) (G) (R)/137P (B) (R) — A SIDE —  
1-643-106-13



PA-137 (B) (G) (R)/137P (B) (R) — B SIDE —  
1-643-106-13

**SERIAL No. 10001—10730 (UC)**  
**30001—30480 (J)**  
**40001—40700 (EK)**



\*: B SIDE

CN1	G-8	CN18	I-7	*D5	H-6	IC10	C-7	*Q7	H-5	*RV1	B-8	W1	B-8
CN2	C-8	*CN19	F-2	*D6	I-6	*IC11	C-7	Q8	G-6	*RV2	B-6	W2	J-6
CN3	F-8	CN20	J-6	D7	H-6	IC12	H-7	Q9	G-5	*RV3	H-7	W3	I-6
CN4	H-8	*CN21	G-3	D8	H-3	*IC13	F-8	Q10	G-4	*RV4	H-6		
CN5	I-8	*CN22	I-5	D9	H-2	*IC14	G-6	Q11	G-4	*RV5	I-7		
CN6	E-8	*CN23	H-3	D10	G-3			Q12	G-5	*RV6	C-6		
*CN7	A-5	*CN24	A-2			*L1	C-5	Q13	H-2				
*CN8	B-5			*E1	J-8	L3	H-1	Q14	G-2	*TP1	B-8		
*CN9	B-5	CP1	C-5			L4	G-2	Q15	G-3	*TP2	B-7		
CN11	D-5			*IC1	D-6			Q16	G-3	*TP3	H-8		
CN12	D-4	*D1	C-8	*IC2	F-5	*Q1	B-5	Q17	G-2	*TP4	H-6		
CN13	C-3	*D2	B-7	IC3	F-6	*Q4	I-7	*Q18	H-4	*TP5	I-5		
CN14	B-2	*D3	I-8	*IC6	E-6	*Q5	I-8	*Q19	H-4	*TP6	C-6		
CN15	C-1	*D4	I-7	IC7	E-6	*Q6	G-7						

1-643-107-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

\*: B SIDE

CN1	G-8	CN18	I-7	*D5	H-6	IC10	C-7	*Q7	H-5	*RV1	B-8	W1	B-8
CN2	C-8	*CN19	F-2	*D6	I-6	*IC11	C-7	Q8	G-6	*RV2	B-6	W2	J-6
CN3	F-8	CN20	J-6	D7	H-6	IC12	H-7	Q9	G-5	*RV3	H-7	W3	I-6
CN4	H-8	*CN21	G-3	D8	H-3	*IC13	F-8	Q10	G-4	*RV4	H-6		
CN5	I-8	*CN22	I-5	D9	H-2	*IC14	G-6	Q11	G-4	*RV5	I-7		
CN6	E-8	*CN23	H-3	D10	G-3			Q12	G-5	*RV6	C-6		
*CN7	A-5	*CN24	A-2			*L1	C-5	Q13	H-2				
*CN8	B-5			*E1	J-8	L3	H-1	Q14	G-2	*TP1	B-8		
*CN9	B-5	CP1	C-5			L4	G-2	Q15	G-3	*TP2	B-7		
CN11	D-5			*IC1	D-6			Q16	G-3	*TP3	H-8		
CN12	D-4	*D1	C-8	*IC2	F-5	*Q1	B-5	Q17	G-2	*TP4	H-6		
CN13	C-3	*D2	B-7	IC3	F-6	*Q4	I-7	*Q18	H-4	*TP5	I-5		
CN14	B-2	*D3	I-8	*IC6	E-6	*Q5	I-8	*Q19	H-4	*TP6	C-6		
CN15	C-1	*D4	I-7	IC7	E-6	*Q6	G-7						

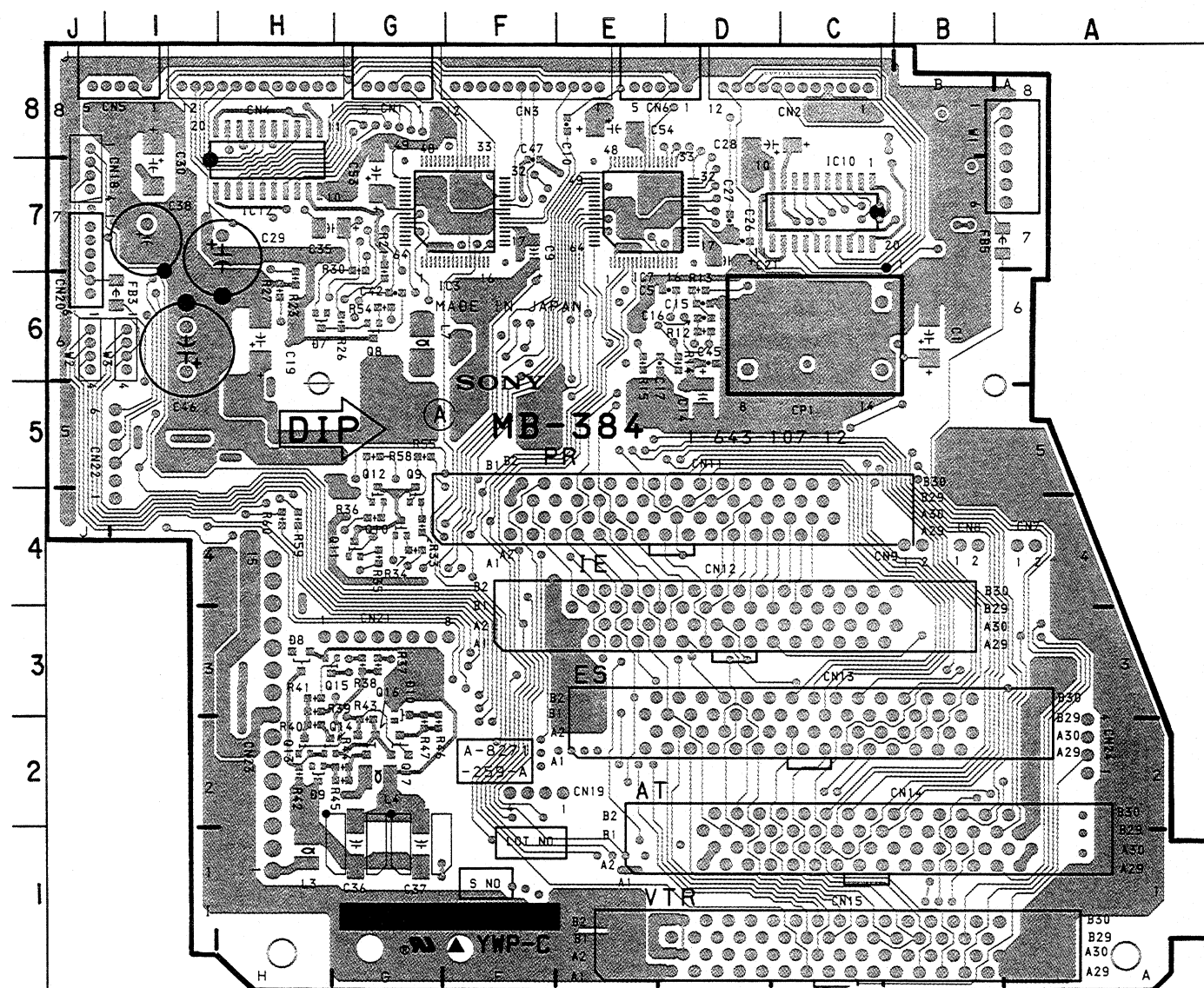
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-108



## CAMERA BLOCK MOTHER BOARD

SERIAL No. 10731-11300 (UC)  
30481-31105 (J)  
40701-41150 (EK)



MB-384/384P — A SIDE —

1-643-107-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

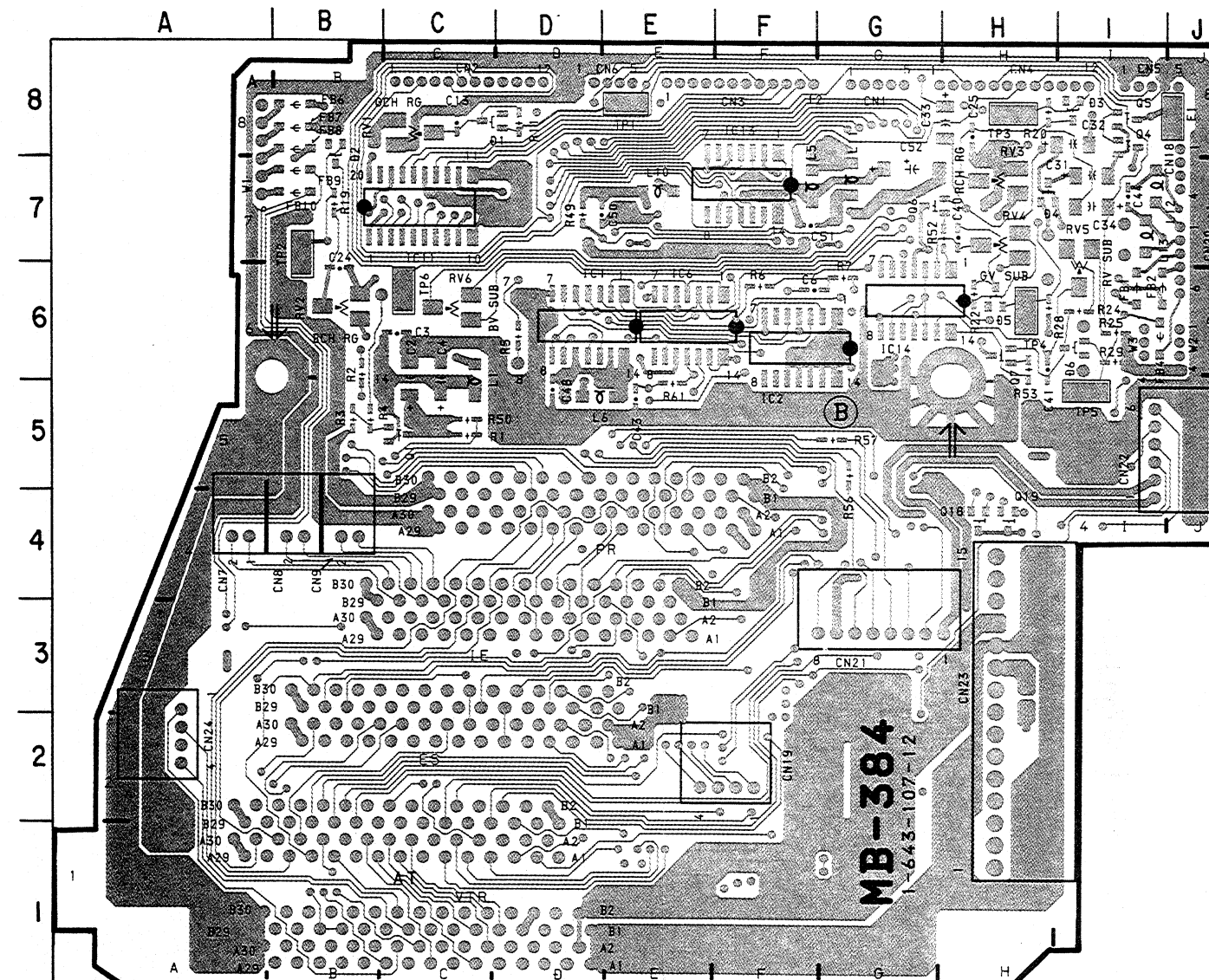
MB-384/384P (1-643-107-12)

\*: B SIDE

CN1	G-8	CN18	I-7	*D5	H-6	*FB6	B-8	*IC13	F-8	*Q1	C-5	Q17	G-2	*TP4	H-6
CN2	C-8	*CN19	F-2	*D6	I-6	*FB7	B-8	*IC14	G-6	*Q4	I-7	*Q18	H-4	*TP5	I-5
CN3	F-8	CN20	J-6	D7	H-6	*FB8	B-8			*Q5	I-8	*Q19	H-4	*TP6	C-6
CN4	H-8	*CN21	G-3	D8	H-3	*FB9	B-7	*L1	C-5	*Q6	G-7				
CN5	I-8	*CN22	I-5	D9	H-2	*FB10	B-7	L3	H-1	*Q7	H-5	*RV1	B-8	W1	B-1
CN6	E-8	*CN23	H-3	D10	G-3			L4	G-2	Q8	G-6	*RV2	B-6	W2	J-6
*CN7	A-4	*CN24	A-2					Q9	G-5	*RV3	H-7			W3	I-6
*CN8	B-4			*E1	J-8	*IC1	D-6	Q10	G-4	*RV4	H-7				
*CN9	B-4	CP1	C-5			*IC2	F-5	Q11	G-4	*RV5	I-7				
CN11	D-5					*IC3	F-6	Q12	G-5	*RV6	C-6				
CN12	D-4	*D1	C-8	*FB1	I-6	*IC6	E-6	Q13	H-2						
CN13	C-3	*D2	B-7	*FB2	I-6	IC7	E-6	Q14	G-2	*TP1	E-8				
CN14	B-2	*D3	I-8	*FB3	I-6	*IC10	C-7	Q15	G-3	*TP2	B-7				
CN15	C-1	*D4	H-7	*FB4	I-6	*IC11	C-7	Q16	G-3	*TP3	H-8				
				*FB5	B-7	*IC12	H-7								

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-109 (d)



MB-384/384P — B SIDE —

1-643-107-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-384/384P (1-643-107-12)

\*: B SIDE

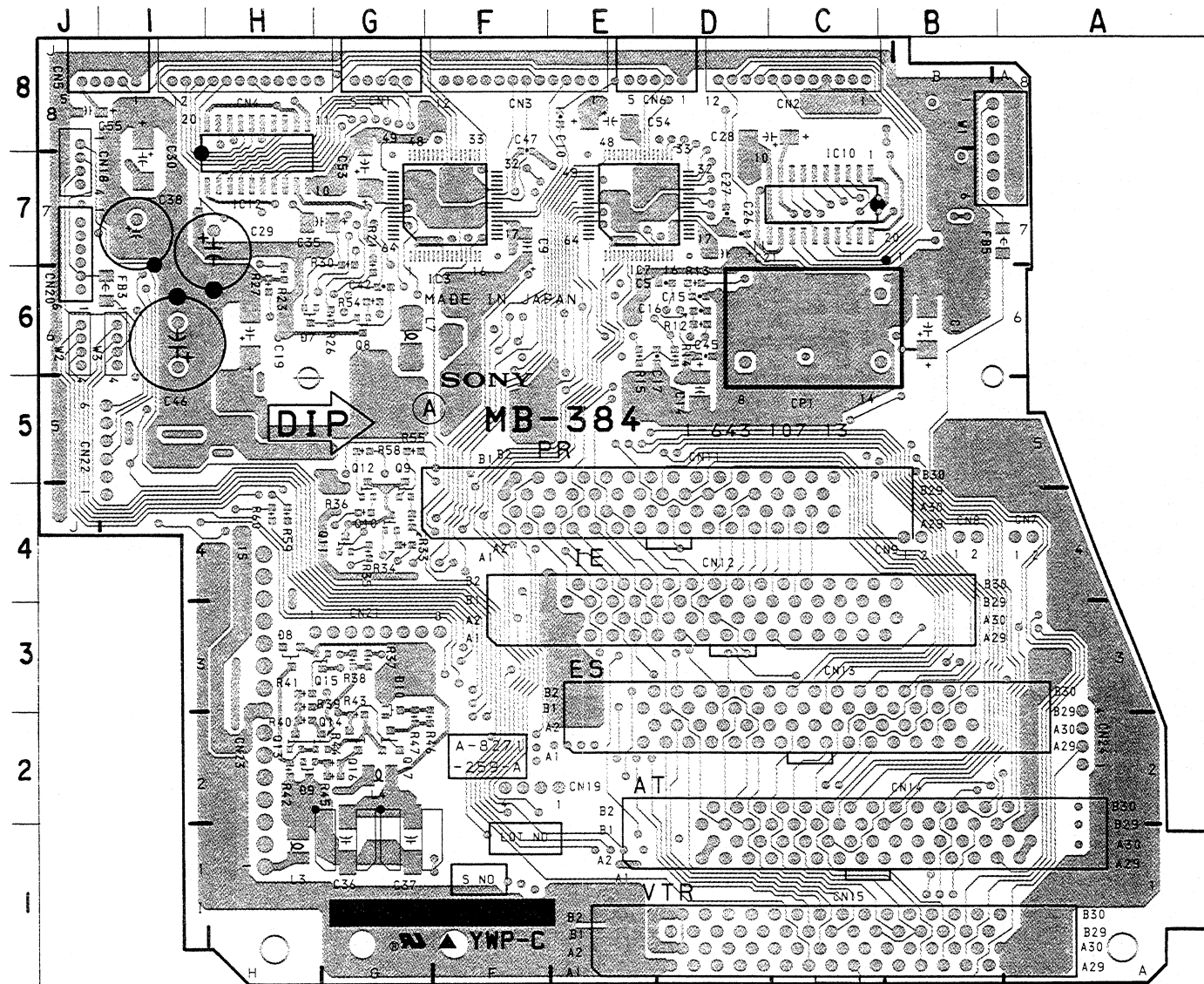
CN1	G-8	CN18	I-7	*D5	H-6	*FB6	B-8	*IC13	F-8	*Q1	C-5	Q17	G-2	*TP4	H-6
CN2	C-8	*CN19	F-2	*D6	I-6	*FB7	B-8	*IC14	G-6	*Q4	I-7	*Q18	H-4	*TP5	I-5
CN3	F-8	CN20	J-6	D7	H-6	*FB8	B-8			*Q5	I-8	*Q19	H-4	*TP6	C-6
CN4	H-8	*CN21	G-3	D8	H-3	*FB9	B-7	*L1	C-5	*Q6	G-7				
CN5	I-8	*CN22	I-5	D9	H-2	*FB10	B-7	L3	H-1	*Q7	H-5	*RV1	B-8	W1	B-1
CN6	E-8	*CN23	H-3	D10	G-3			L4	G-2	Q8	G-6	*RV2	B-6	W2	J-6
*CN7	A-4	*CN24	A-2					Q9	G-5	*RV3	H-7			W3	I-6
*CN8	B-4			*E1	J-8	*IC1	D-6	Q10	G-4	*RV4	H-7				
*CN9	B-4	CP1	C-5			*IC2	F-5	Q11	G-4	*RV5	I-7				
CN11	D-5					*IC3	F-6	Q12	G-5	*RV6	C-6				
CN12	D-4	*D1	C-8	*FB1	I-6	*IC6	E-6	Q13	H-2						
CN13	C-3	*D2	B-7	*FB2	I-6	IC7	E-6	Q14	G-2	*TP1	E-8				
CN14	B-2	*D3	I-8	*FB3	I-6	*IC10	C-7	Q15	G-3	*TP2	B-7				
CN15	C-1	*D4	H-7	*FB4	I-6	*IC11	C-7	Q16	G-3	*TP3	H-8				
				*FB5	B-7	*IC12	H-7								

C-110 (d)



CAMERA BLOCK MOTHER BOARD

SERIAL No. 11301 and higher (UC)  
31106 and higher (J)  
41151 and higher (EK)



MB-384/384P — A SIDE —

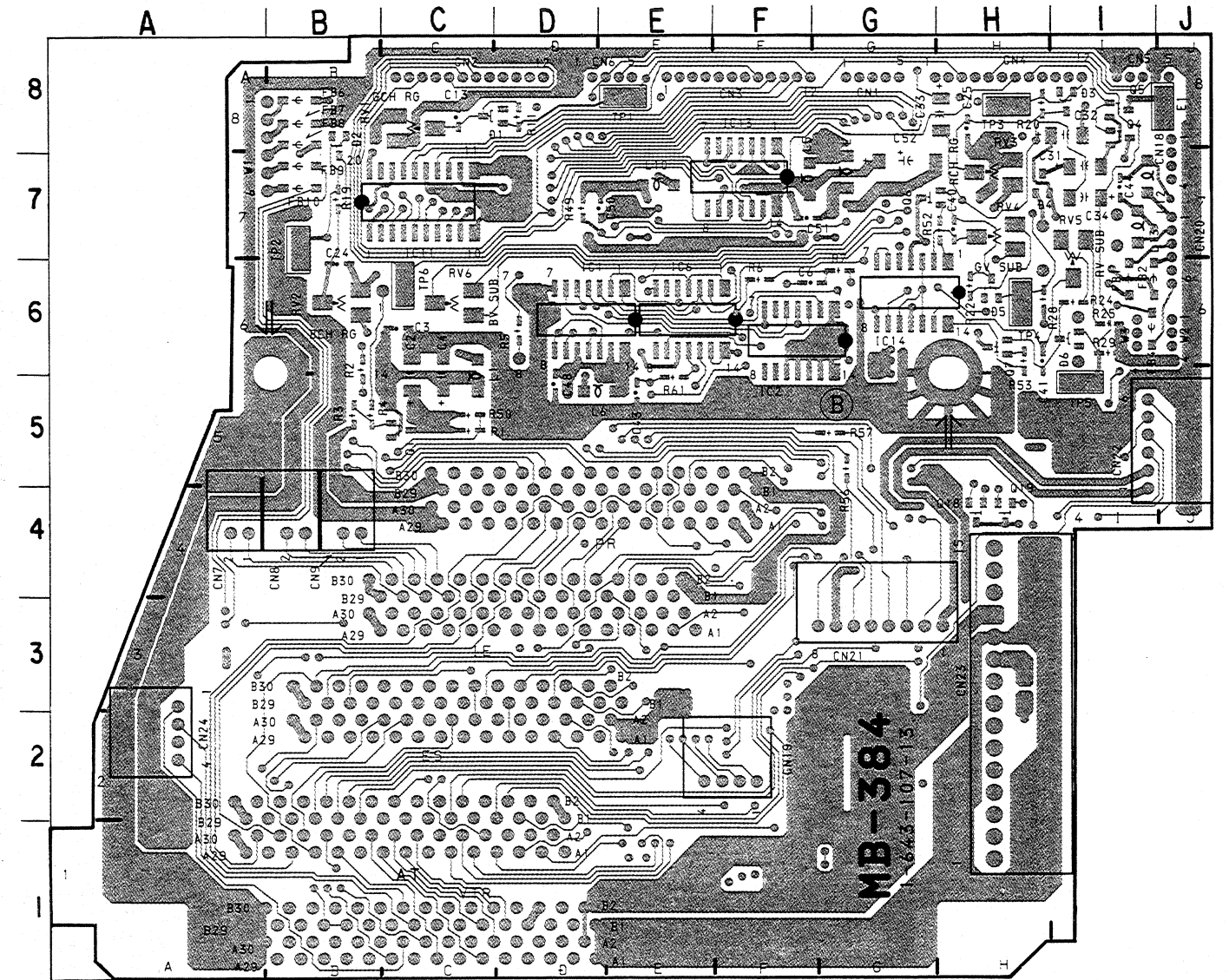
1-643-107-13  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-384/384P (1-643-107-13)

+: B SIDE

CN1	G-8	CN18	I-7	*D5	H-6	*FB6	B-8	*IC13	F-8	*Q1	C-5	Q17	G-2	*TP4	H-6
CN2	C-8	*CN19	F-2	*D6	I-6	*FB7	B-8	*IC14	G-6	*Q4	I-7	*Q18	H-4	*TP5	I-5
CN3	F-8	CN20	J-6	D7	H-6	*FB8	B-8			*Q5	I-8	*Q19	H-4	*TP6	C-6
CN4	H-8	*CN21	G-3	D8	H-3	*FB9	B-7	*L1	C-5	*Q6	G-7				
CN5	I-8	*CN22	I-5	D9	H-2	*FB10	B-7	L3	H-1	*Q7	H-5	*RV1	B-8	W1	B-1
CN6	E-8	*CN23	H-3	D10	G-3			L4	G-2	Q8	G-6	*RV2	B-6	W2	J-6
*CN7	A-4	*CN24	A-2			*IC1	D-6	*L5	F-7	Q9	G-5	*RV3	H-7	W3	I-6
*CN8	B-4			*E1	J-8	*IC2	F-5	*L6	D-5	Q10	G-4	*RV4	H-7		
*CN9	B-4	CP1	C-5			IC3	F-6	L7	F-6	Q11	G-4	*RV5	I-7		
CN11	D-5			*FB1	I-6	*IC6	E-6	*L10	E-7	Q12	G-5	*RV6	C-6		
CN12	D-4	*D1	C-8	*FB2	I-6	IC7	E-6	*L11	G-8	Q13	H-2				
CN13	C-3	*D2	B-7	FB3	I-6	IC10	C-7	*L12	I-7	Q14	G-2	*TP1	E-8		
CN14	B-2	*D3	I-8	*FB4	I-6	*IC11	C-7	*L13	I-7	Q15	G-3	*TP2	B-7		
CN15	C-1	*D4	H-7	FB5	B-7	IC12	H-7			Q16	G-3	*TP3	H-8		

C-109 (c)



MB-384/384P — B SIDE —

1-643-107-13  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-384/384P (1-643-107-13)

+: B SIDE

CN1	G-8	CN18	I-7	*D5	H-6	*FB6	B-8	*IC13	F-8	*Q1	C-5	Q17	G-2	*TP4	H-6
CN2	C-8	*CN19	F-2	*D6	I-6	*FB7	B-8	*IC14	G-6	*Q4	I-7	*Q18	H-4	*TP5	I-5
CN3	F-8	CN20	J-6	D7	H-6	*FB8	B-8			*Q5	I-8	*Q19	H-4	*TP6	C-6
CN4	H-8	*CN21	G-3	D8	H-3	*FB9	B-7	*L1	C-5	*Q6	G-7				
CN5	I-8	*CN22	I-5	D9	H-2	*FB10	B-7	L3	H-1	*Q7	H-5	*RV1	B-8	W1	B-1
CN6	E-8	*CN23	H-3	D10	G-3			L4	G-2	Q8	G-6	*RV2	B-6	W2	J-6
*CN7	A-4	*CN24	A-2			*IC1	D-6	*L5	F-7	Q9	G-5	*RV3	H-7	W3	I-6
*CN8	B-4			*E1	J-8	*IC2	F-5	*L6	D-5	Q10	G-4	*RV4	H-7		
*CN9	B-4	CP1	C-5			IC3	F-6	L7	F-6	Q11	G-4	*RV5	I-7		
CN11	D-5			*FB1	I-6	*IC6	E-6	*L10	E-7	Q12	G-5	*RV6	C-6		
CN12	D-4	*D1	C-8	*FB2	I-6	IC7	E-6	*L11	G-8	Q13	H-2				
CN13	C-3	*D2	B-7	FB3	I-6	IC10	C-7	*L12	I-7	Q14	G-2	*TP1	E-8		
CN14	B-2	*D3	I-8	*FB4	I-6	*IC11	C-7	*L13	I-7	Q15	G-3	*TP2	B-7		
CN15	C-1	*D4	H-7	FB5	B-7	IC12	H-7			Q16	G-3	*TP3	H-8		

C-110 (c)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

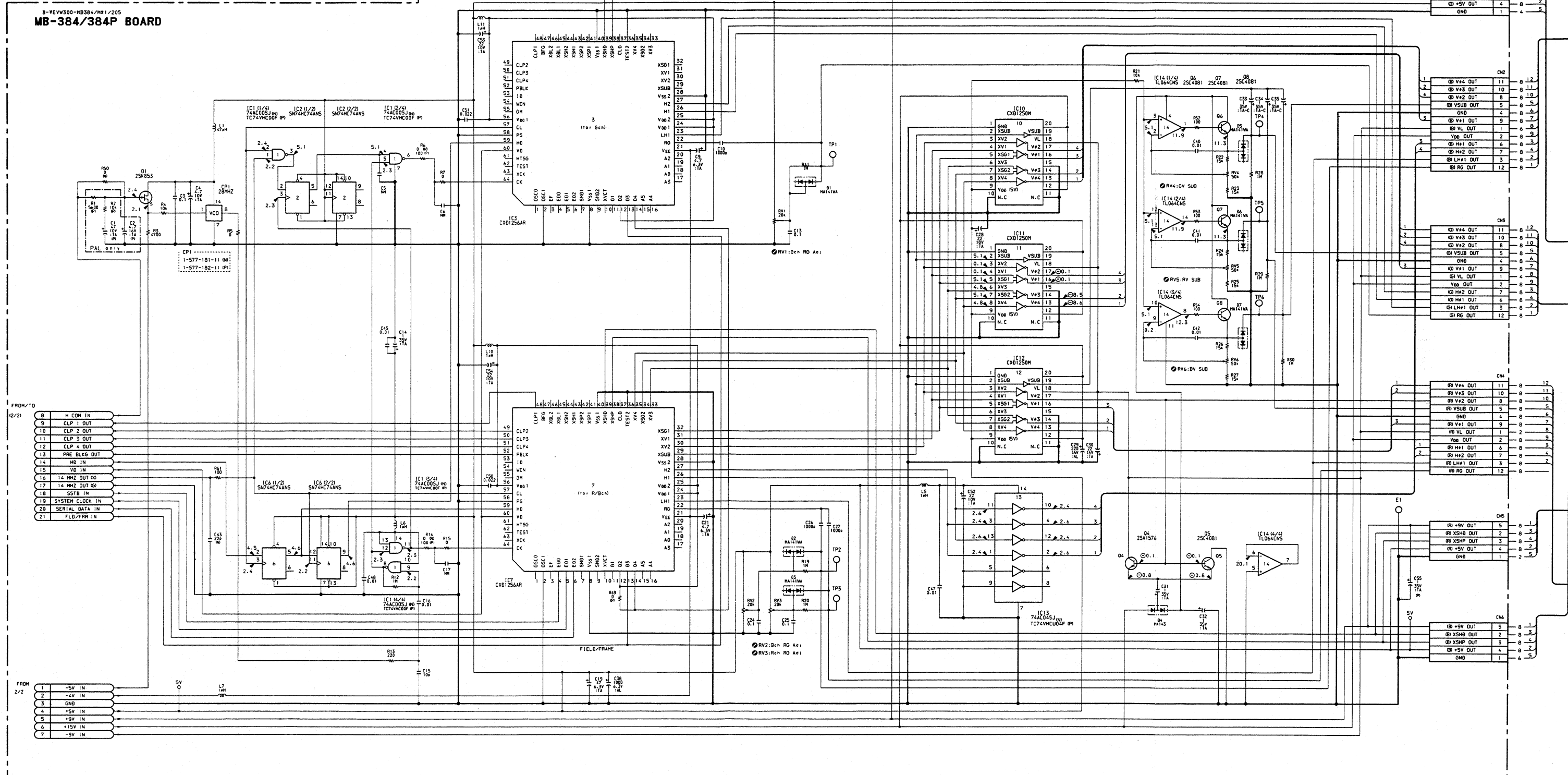
## CAMERA FRAME (1/2)

SERIAL NO. 10731 AND HIGHER (UC)  
30481 AND HIGHER (J)  
40701 AND HIGHER (EK)

## NOTE

1. NM : NO MOUNT
2. (N) : NTSC only
3. (P) : PAL only

## MB-384/384P BOARD



## 注意：

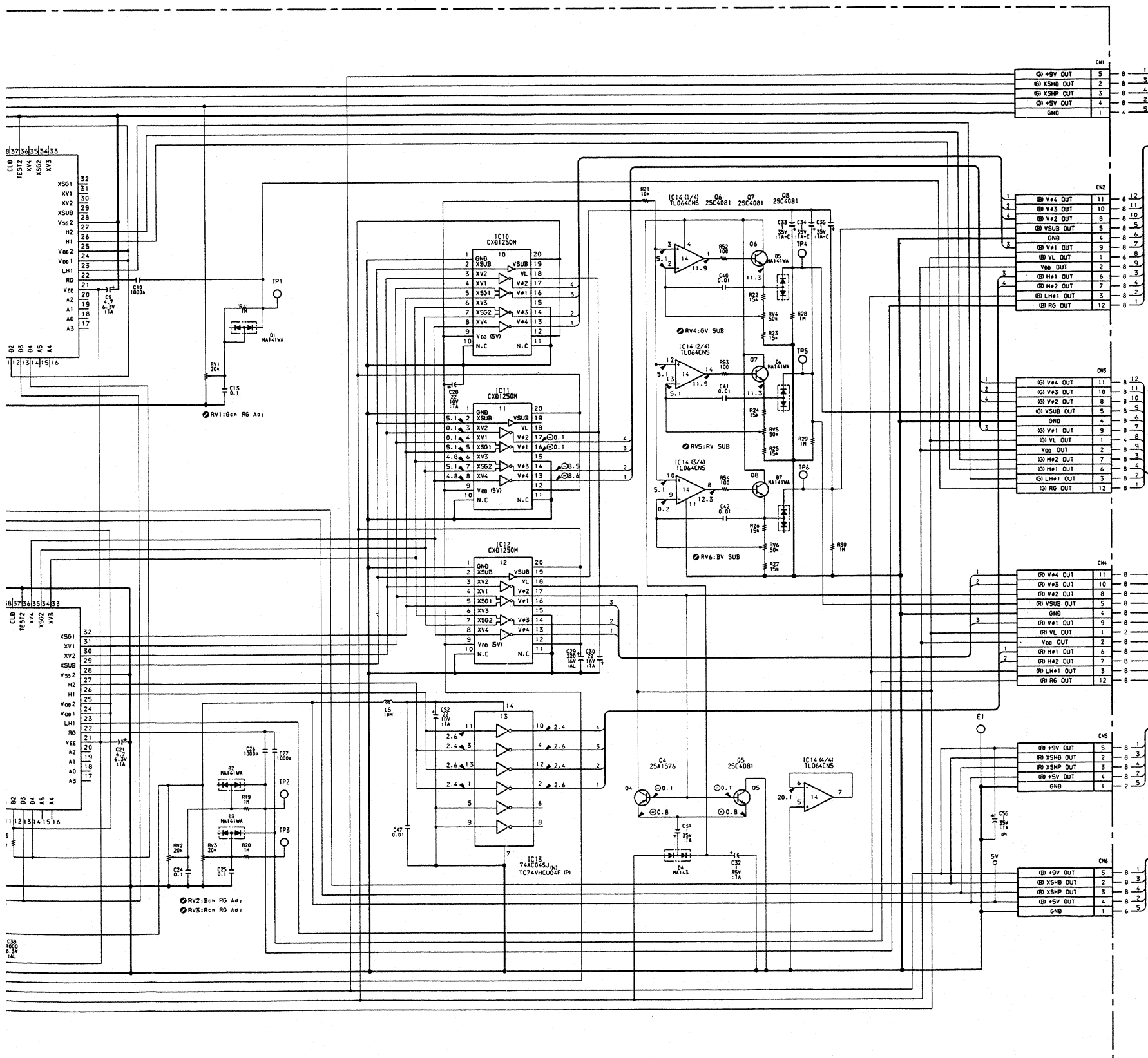
1. DC 電圧はデジタル電圧計による値。  
No Mark : BARS side
2. DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

## NOTE:

1. All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side
2. All DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

C-109 (b)

C-110 (b)



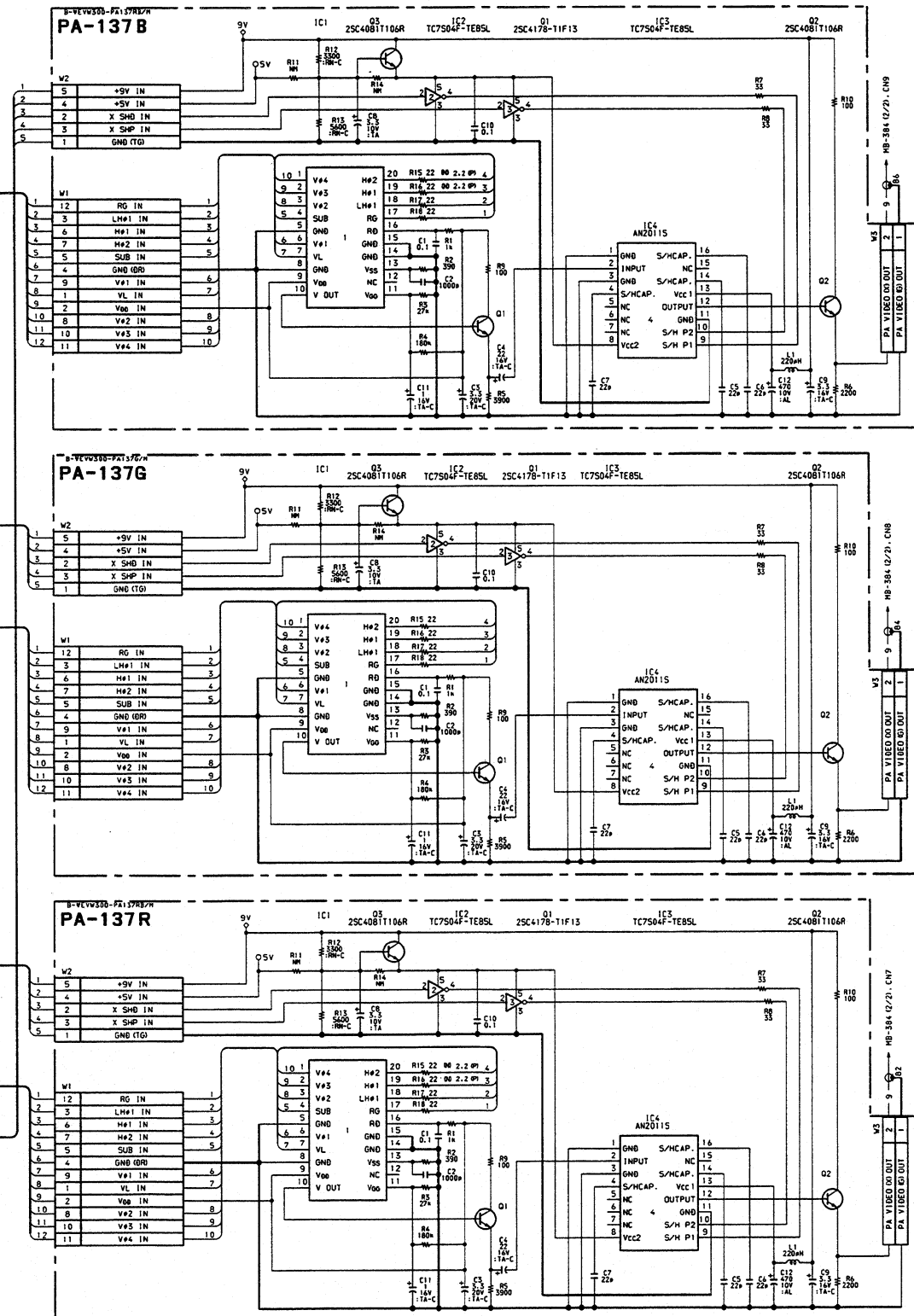
## NOTE:

1. All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side

2. All DC voltage is measured in condition below.

• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

C-110 (b)



CAMERA FRAME (1/2)  
MB-384/384P BOARD (1/2)  
PA-137B/137G/137R BOARD

EVW-300 (UC)  
EVW-300 (J)  
EVW-300P (EK)

A-EVW300-FRAME/MB1/205  
B-EVW300-PA137B/205  
C-EVW300-PA137G/205  
D-EVW300-MB384/MB1/205

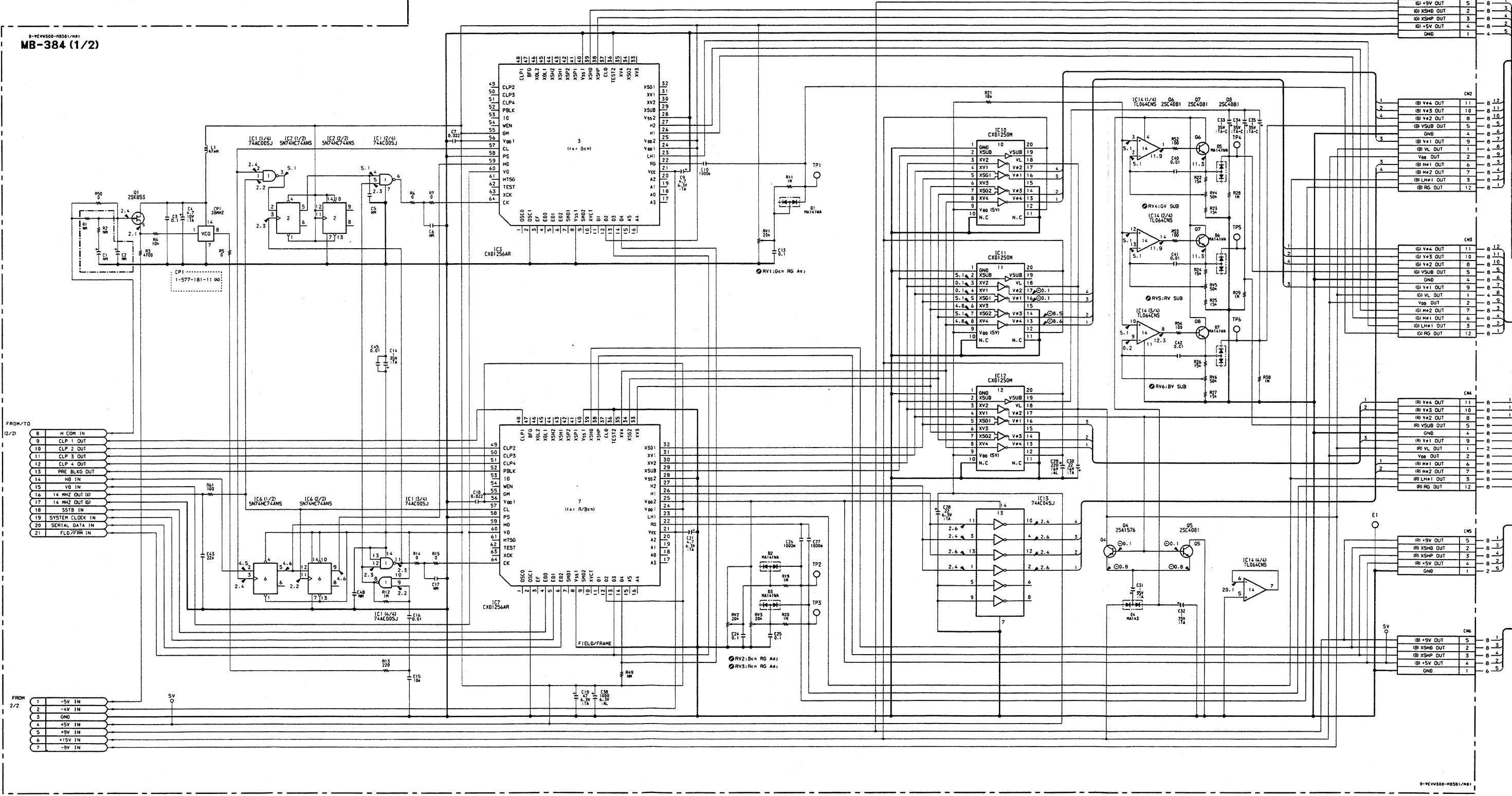
C-111 (b)



CAMERA FRAME (2/2)

SERIAL NO. 10001 - 10730 (UC)  
30001 - 30480 (J)

NOTE  
1. NM : NO MOUNT



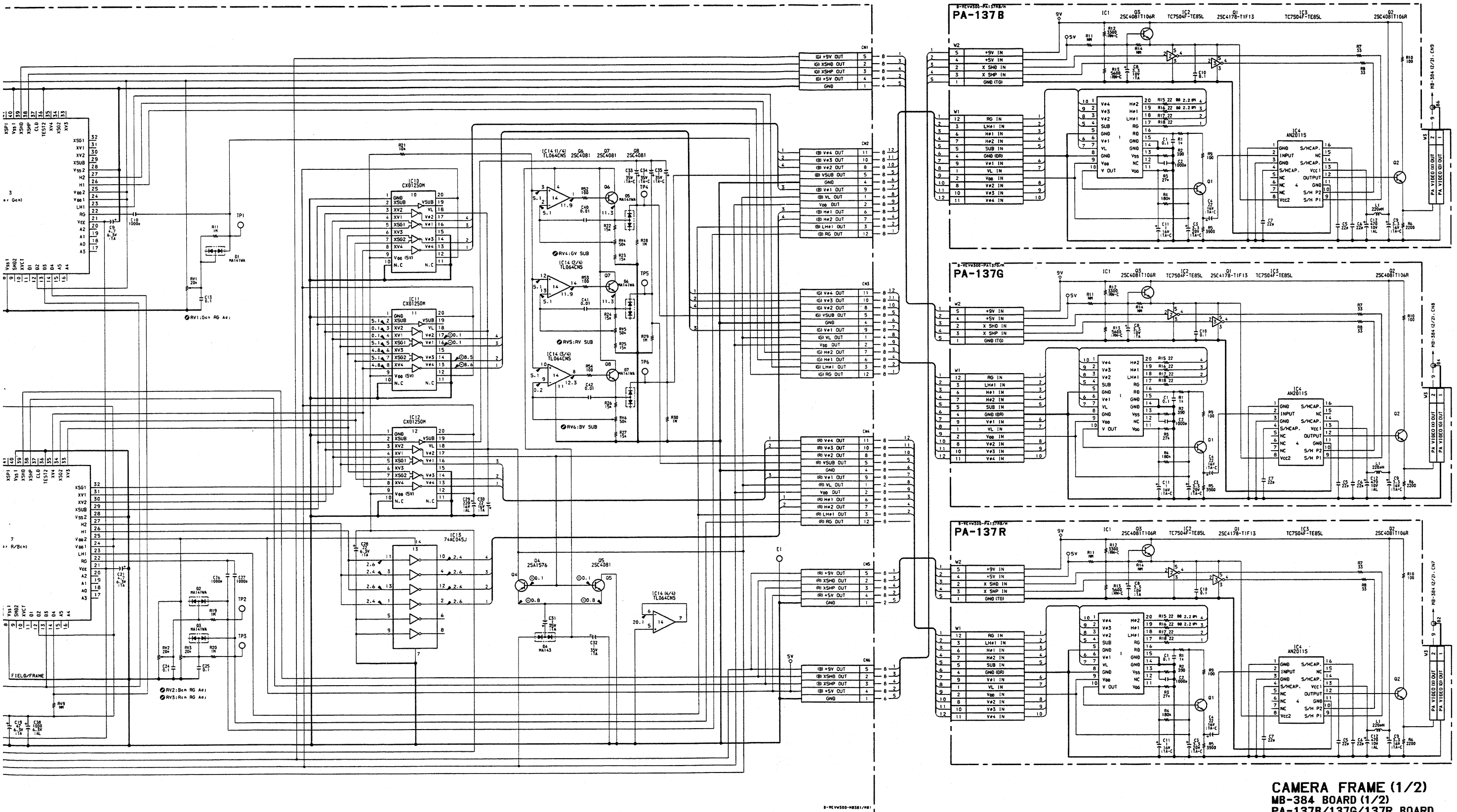
注意：  
1. DC 電圧はデジタル電圧計による値。  
No Mark : BARS side  
2. DC 電圧は下記条件での測定。  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

NOTE:  
1. All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side  
2. All DC voltage is measured in condition below.  
• OUTPUT : BARS  
• GAIN : 0dB  
• WHITE BAL : PRE  
• SHUTTER : OFF

C-109 (a)

C-110 (a)

A | B | C | D | E | F | G | H



## NOTE:

※での測定。

1. All voltage are DC. measured with a digital voltmeter.

2. All DC voltage is measured in condition below.

: BARS

No Mark : BARS side

: 0dB

: PRE

: OFF

- OUTPUT : BARS
- GAIN : 0dB
- WHITE BAL : PRE
- SHUTTER : OFF

C-110 (a)

CAMERA FRAME (1/2)  
MB-384 BOARD (1/2)  
PA-137B/137G/137R BOARD

EVW-300 (UC)  
EVW-300 (J)

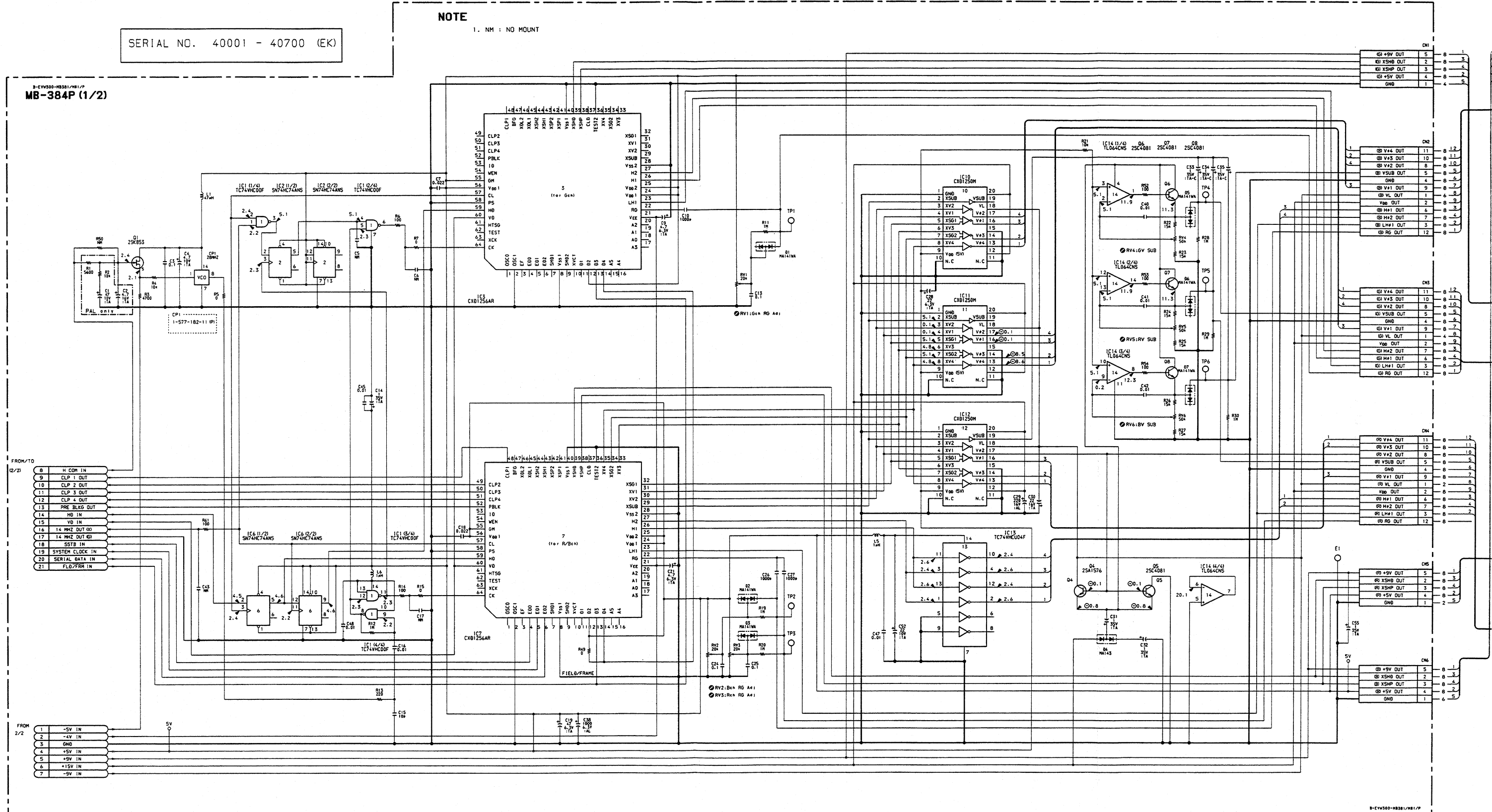
A-VEVW300-FRAME/PH1  
B-VEVW300-PA137B/PH1  
C-VEVW300-PA137G/PH1  
D-VEVW300-MB384/PH1

C-111 (a)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## CAMERA FRAME (1/2)



注意：

- DC 電圧はデジタル電圧計による値。  
No Mark : BARS side

- DC 電圧は下記条件での測定。  
・ OUTPUT : BARS  
・ GAIN : 0dB  
・ WHITE BAL : PRE  
・ SHUTTER : OFF

NOTE:

- All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side

- All DC voltage is measured in condition below.

- ・ OUTPUT : BARS
- ・ GAIN : 0dB
- ・ WHITE BAL : PRE
- ・ SHUTTER : OFF

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-109

C-110

A

B

C

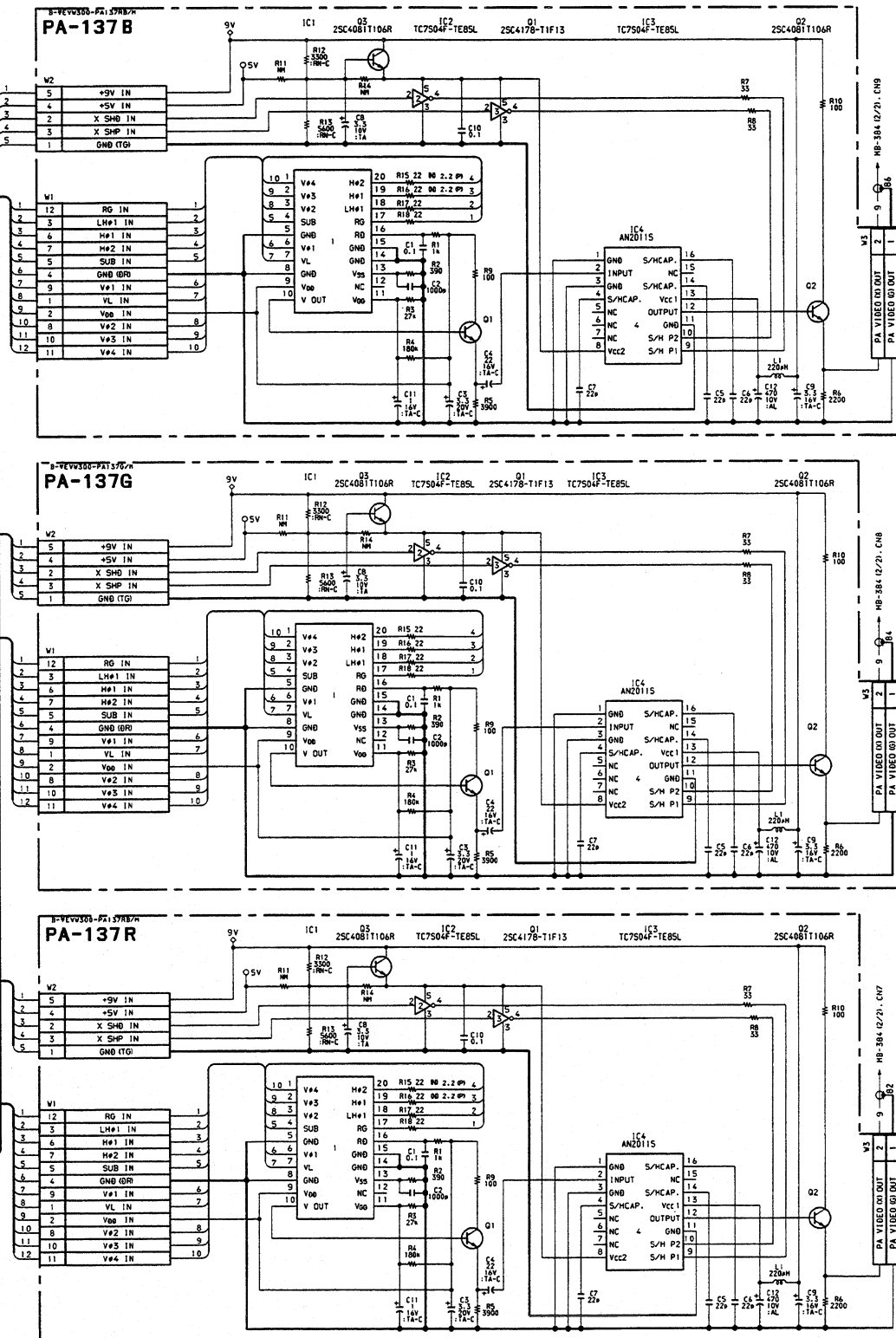
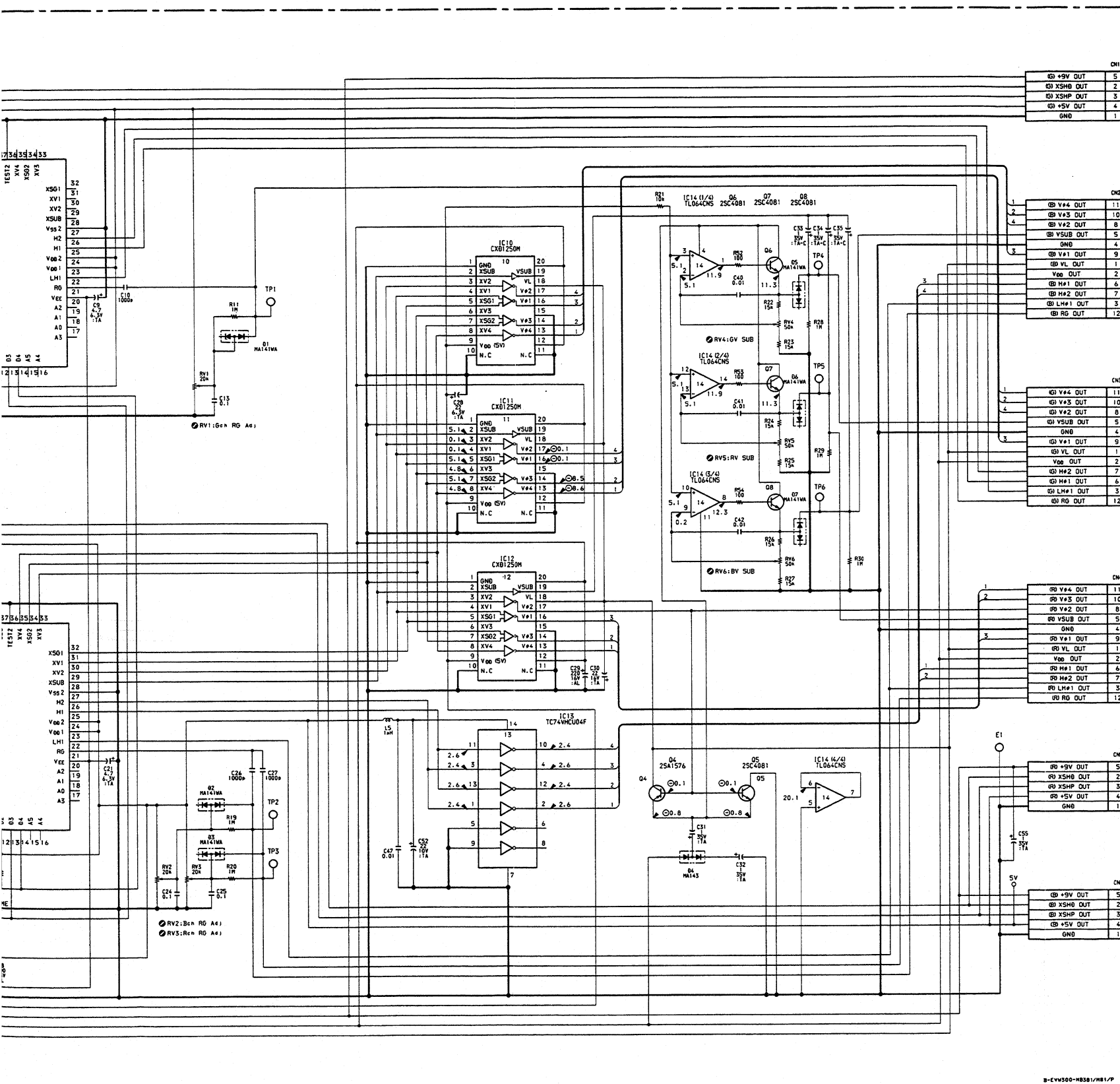
D

E

F

G

H



CAMERA FRAME (1/2)  
MB-384P BOARD (1/2)  
PA-137B/137G/137R BOARD

EWV-300P (EK).  
A-EVW300-FRAME/HS1/P  
B-EVW300-PA137B/HS1/P  
C-EVW300-PA137G/HS1/P  
D-EVW300-PA137R/HS1/P

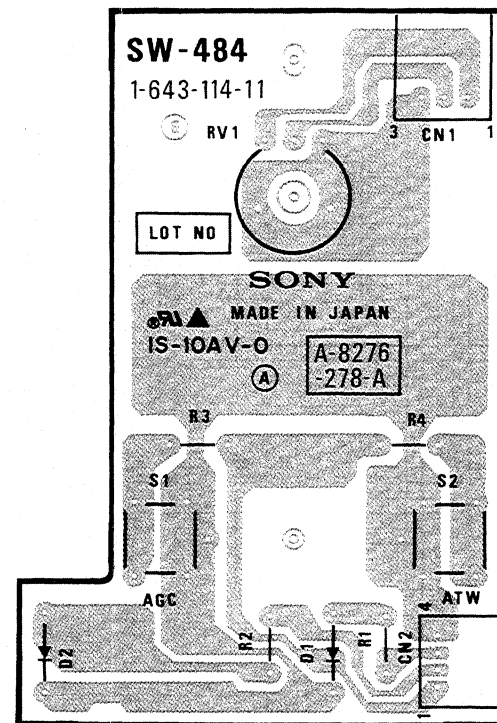
C-111

- 記条件での測定。
- NOTE:
- All voltage are DC. measured with a digital voltmeter.  
No Mark : BARS side
  - All DC voltage is measured in condition below.
- OUTPUT : BARS
  - GAIN : 0dB
  - WHITE BAL : PRE
  - SHUTTER : OFF
- C-110

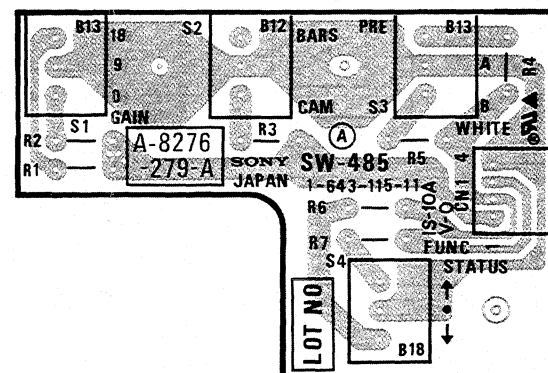


SW-484 BOARD  
SW-485 BOARD  
SW-506 BOARD  
SW-507 BOARD

SW-484, SW-485, SW-506, SW-507 CAMERA FRAME CAMERA FRAME SW-484, SW-485, SW-506, SW-507

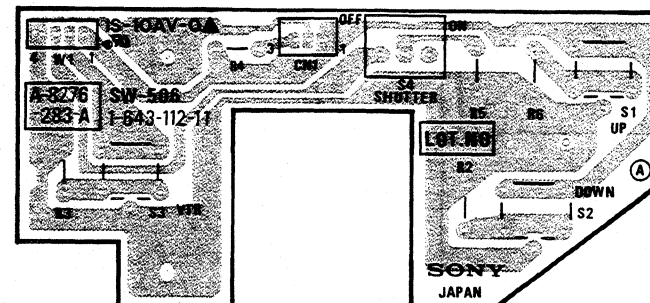


**SW-484 — A SIDE —**  
1-643-114-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



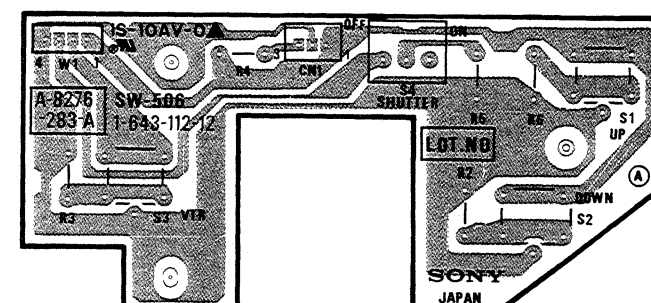
**SW-485 — A SIDE —**  
1-643-115-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

SERIAL No. 10001—11450 (UC)  
30001—31225 (J)  
40001—41280 (EK)

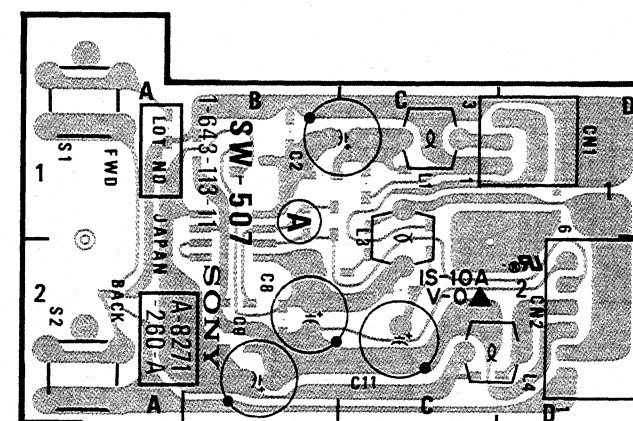


**SW-506 — A SIDE —**  
1-643-112-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

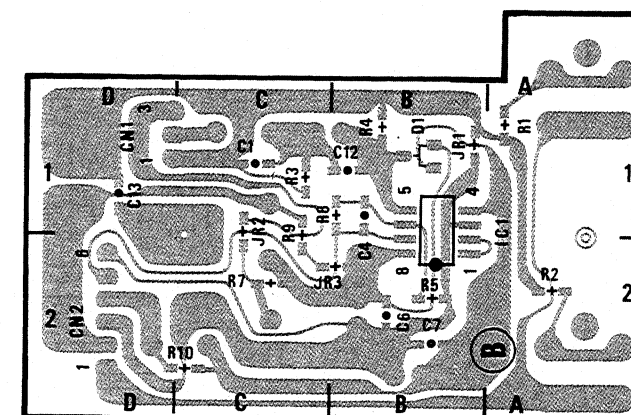
SERIAL No. 11451 and higher (UC)  
31226 and higher (J)  
41281 and higher (EK)



**SW-506 — A SIDE —**  
1-643-112-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

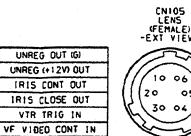


**SW-507 — A SIDE —**  
1-643-113-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

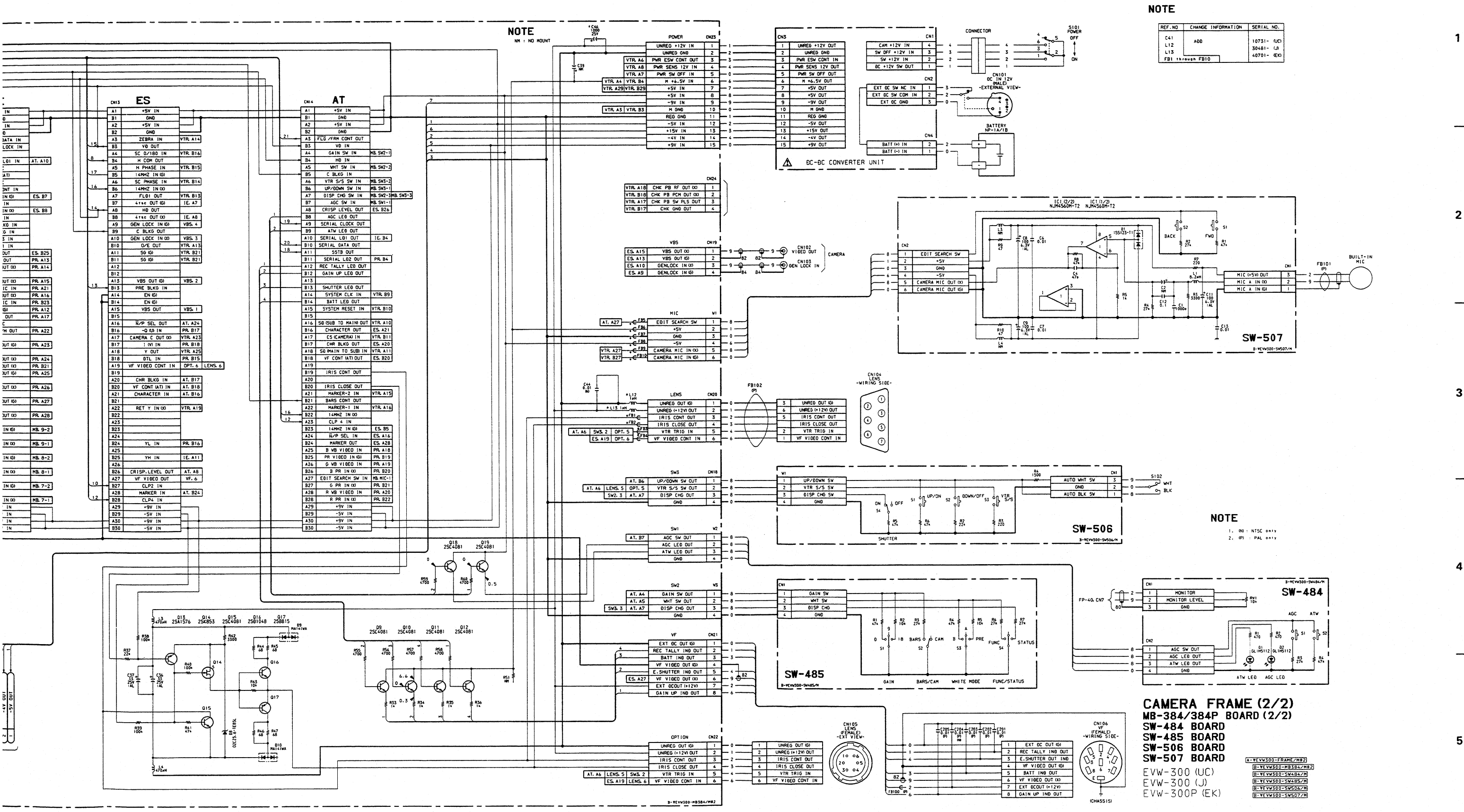


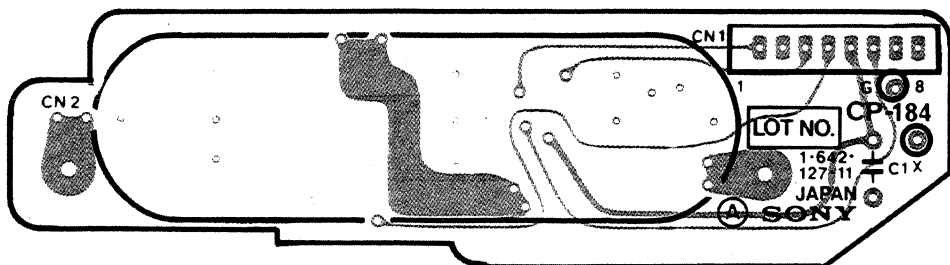
**SW-507 — B SIDE —**  
1-643-113-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-116

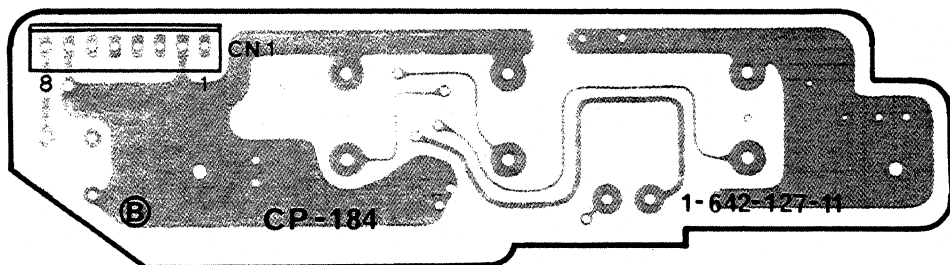






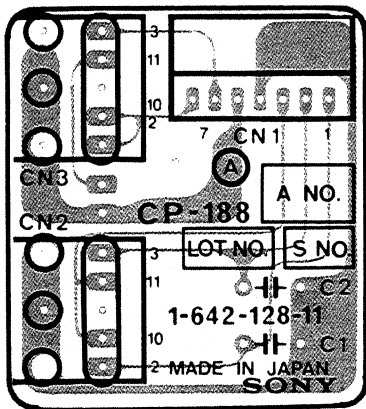


**CP-184 — A SIDE —**  
1-642-127-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



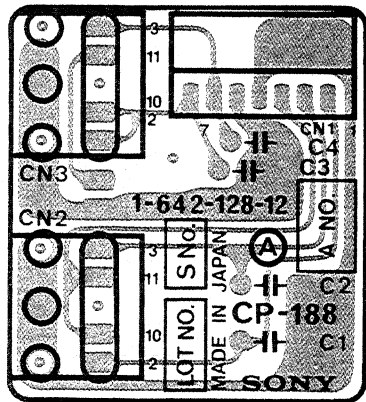
**CP-184 — B SIDE —**  
1-642-127-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

SERIAL No. 10001—11150 (UC)  
30001—30955 (J)  
40001—41050 (EK)



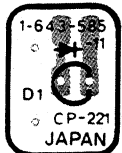
**CP-188 — A SIDE —**  
1-642-128-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)

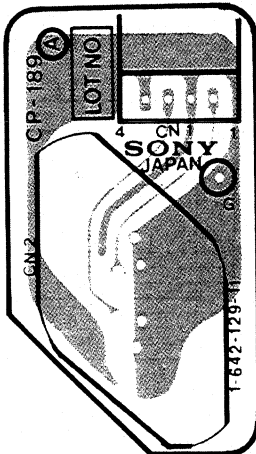


**CP-188 — A SIDE —**  
1-642-128-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

**CP-221 — A SIDE —**  
1-643-585-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

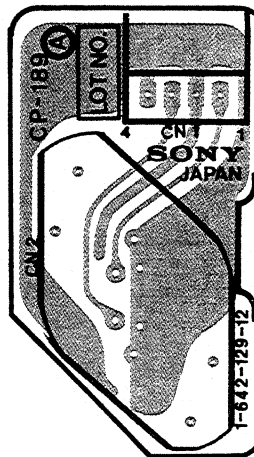


SERIAL No. 10001—11150 (UC)  
30001—30955 (J)  
40001—41050 (EK)



**CP-189 — A SIDE —**  
1-642-129-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

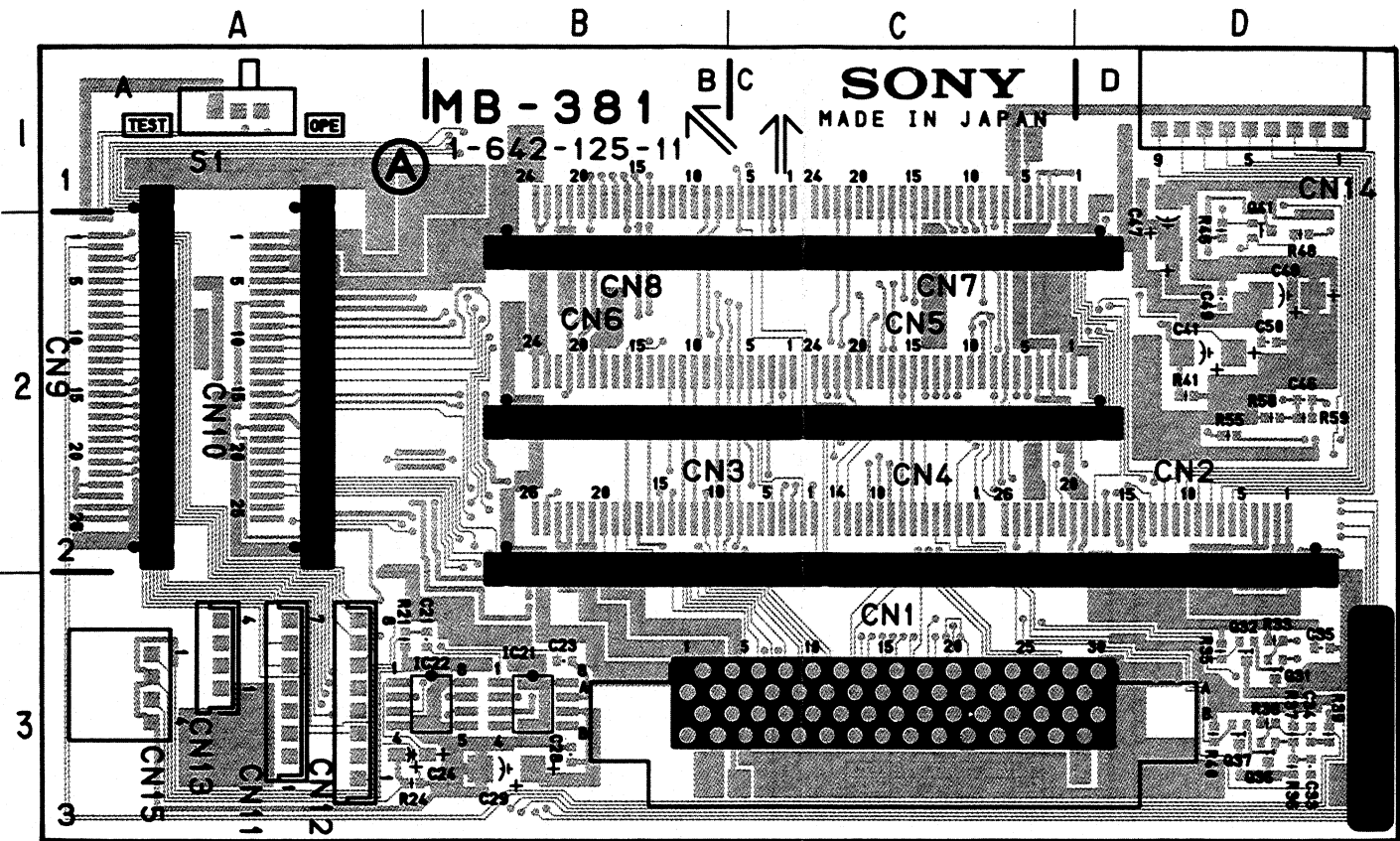
SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)



**CP-189 — A SIDE —**  
1-642-129-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

**MB-381 BOARD**  
**CP-184 BOARD**  
**CP-188 BOARD**  
**CP-189 BOARD**  
**CP-221 BOARD**

**MB-381 BOARD**  
SERIAL No. 10001—11150 (UC)  
30001—30955 (J)  
40001—41050 (EK)

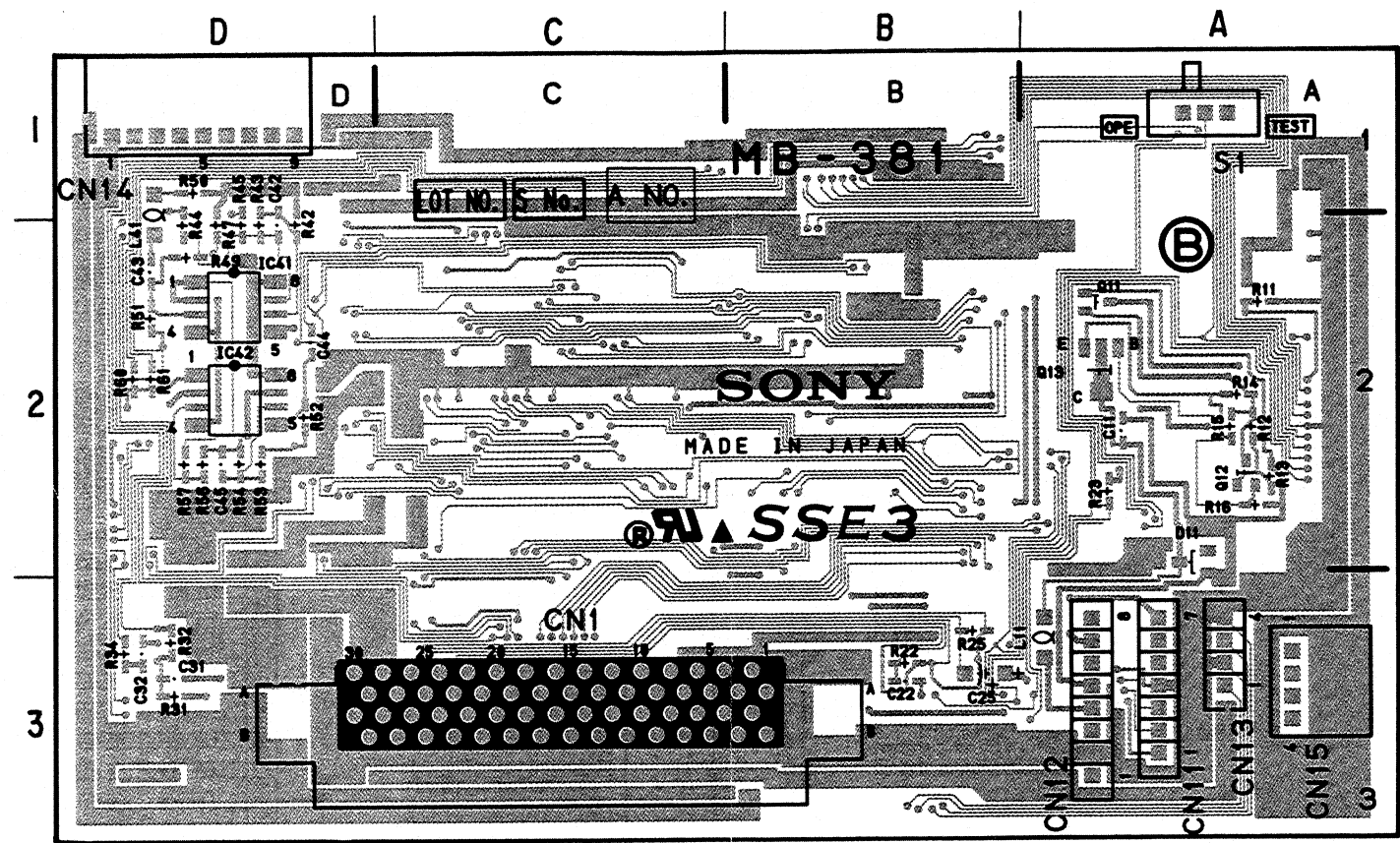


**MB-381/381P — A SIDE —**  
1-642-125-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-381/381P (1-642-125-11)

\*: B SIDE

CN1	C-3	*D11	A-2	*Q12	A-2
CN2	D-2			*Q13	A-2
CN5	C-2	IC21	B-3	Q31	D-3
CN7	C-2	IC22	A-3	Q32	D-3
CN9	A-2	*IC41	D-2	Q36	D-3
CN10	A-2	*IC42	D-2	Q37	D-3
CN11	A-3			Q41	D-1
CN12	A-3	*L11	A-3		
CN13	A-3	*L41	D-2	S1	A-1
CN14	D-1				
CN15	A-3	*Q11	A-2		



**MB-381/381P — B SIDE —**  
1-642-125-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-381/381P (1-642-125-11)

\*: B SIDE

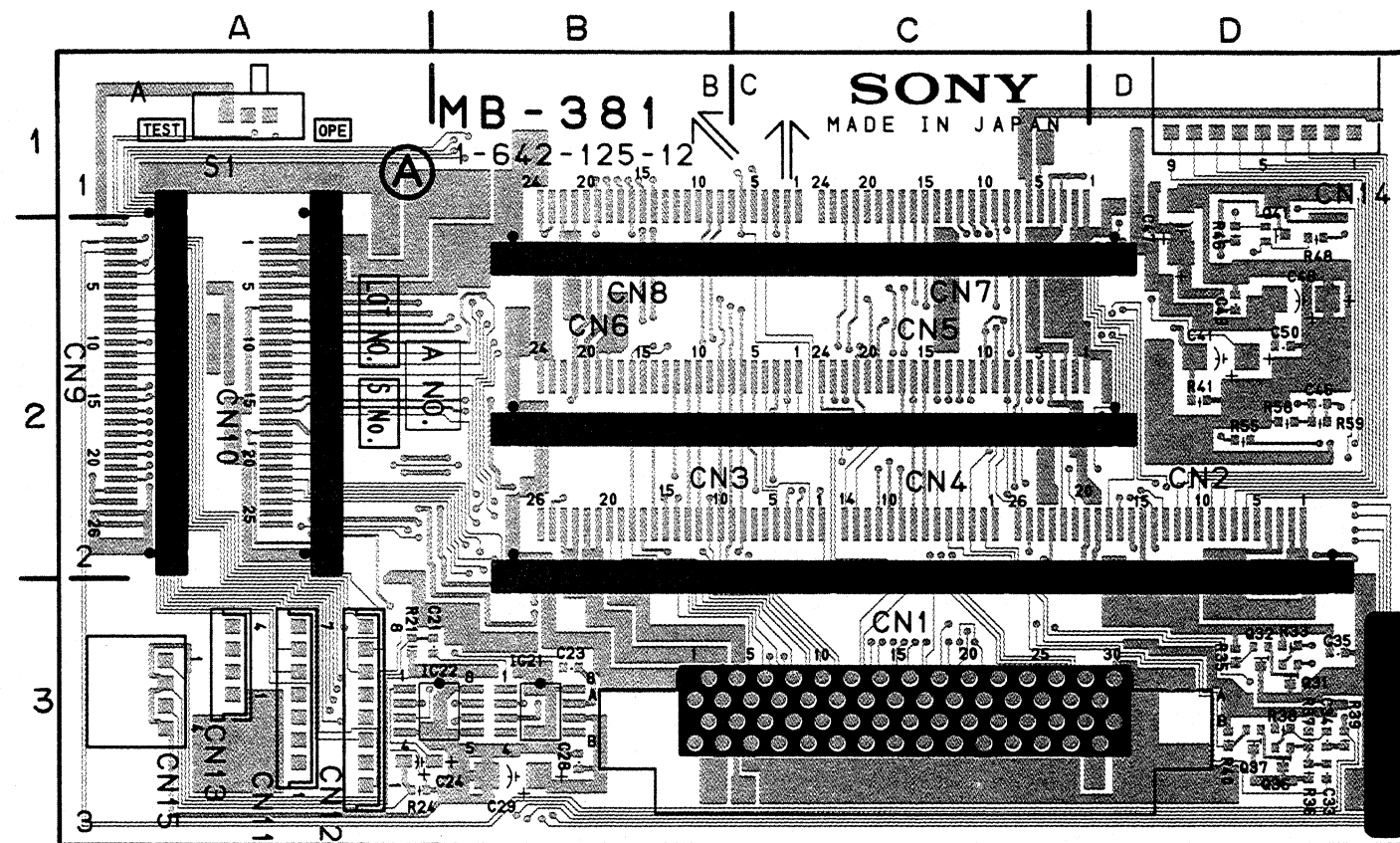
CN1	C-3	*D11	A-2	*Q12	A-2
CN2	D-2			*Q13	A-2
CN5	C-2	IC21	B-3	Q31	D-3
CN7	C-2	IC22	A-3	Q32	D-3
CN9	A-2	*IC41	D-2	Q36	D-3
CN10	A-2	*IC42	D-2	Q37	D-3
CN11	A-3			Q41	D-1
CN12	A-3	*L11	A-3		
CN13	A-3	*L41	D-2	S1	A-1
CN14	D-1				
CN15	A-3	*Q11	A-2		



MB-381 BOARD  
KY-191 BOARD

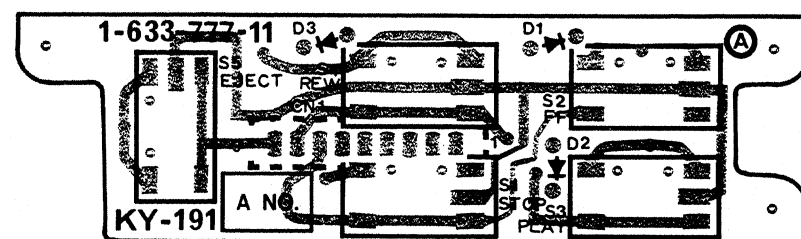
## MB-381 BOARD

SERIAL No. 11151 and higher (UC)  
30956 and higher (J)  
41051 and higher (EK)



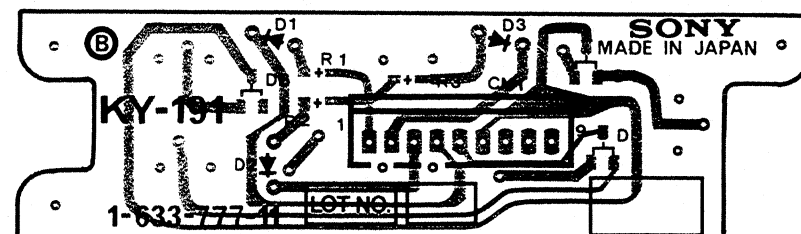
## MB-381/381P — A SIDE —

1-642-125-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## KY-191 — A SIDE —

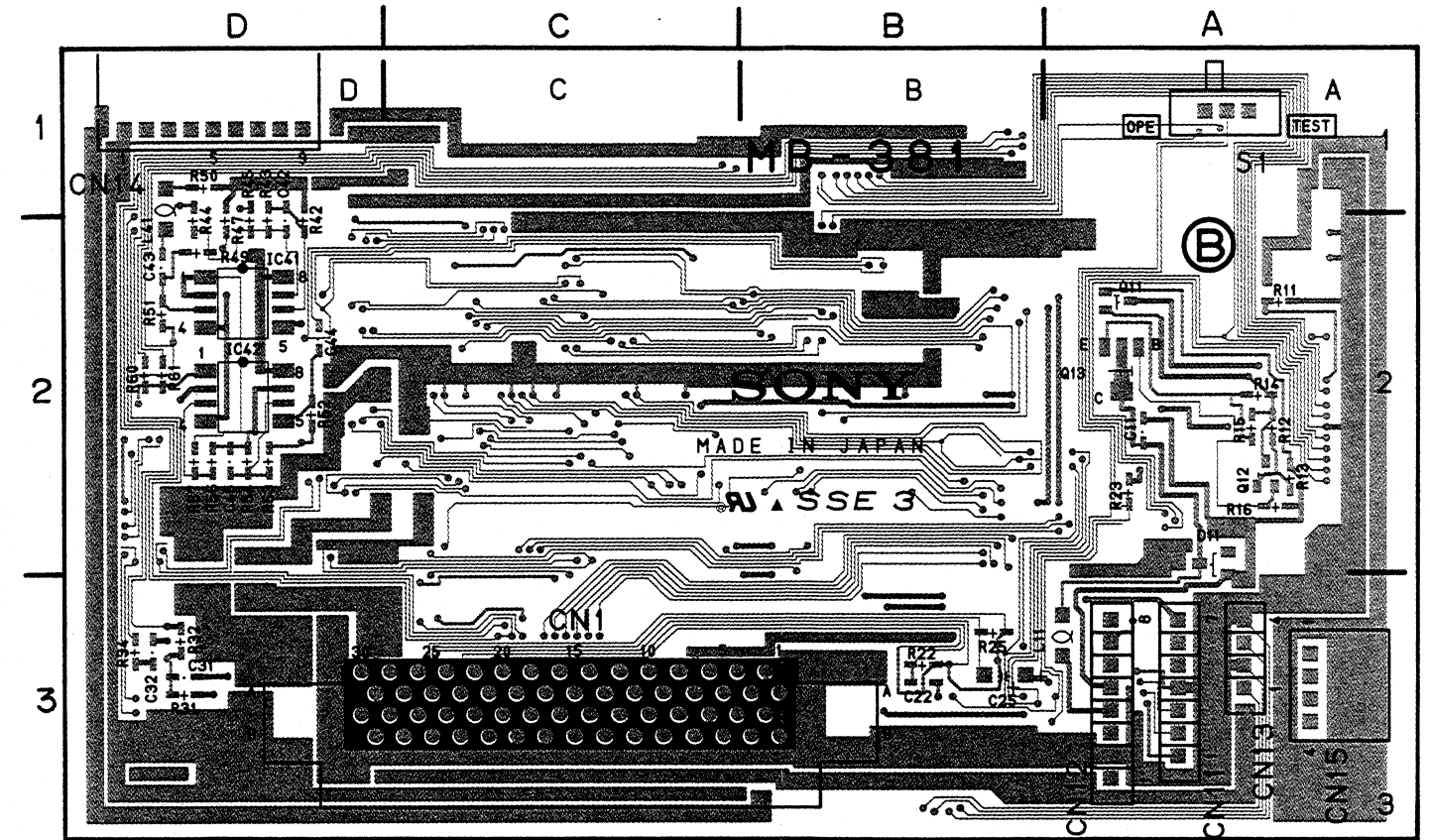
1-633-777-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)



## KY-191 — B SIDE —

1-633-777-11  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

C-121 (a)



## MB-381/381P — B SIDE —

1-642-125-12  
EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

MB-381/381P (1-642-125-12)

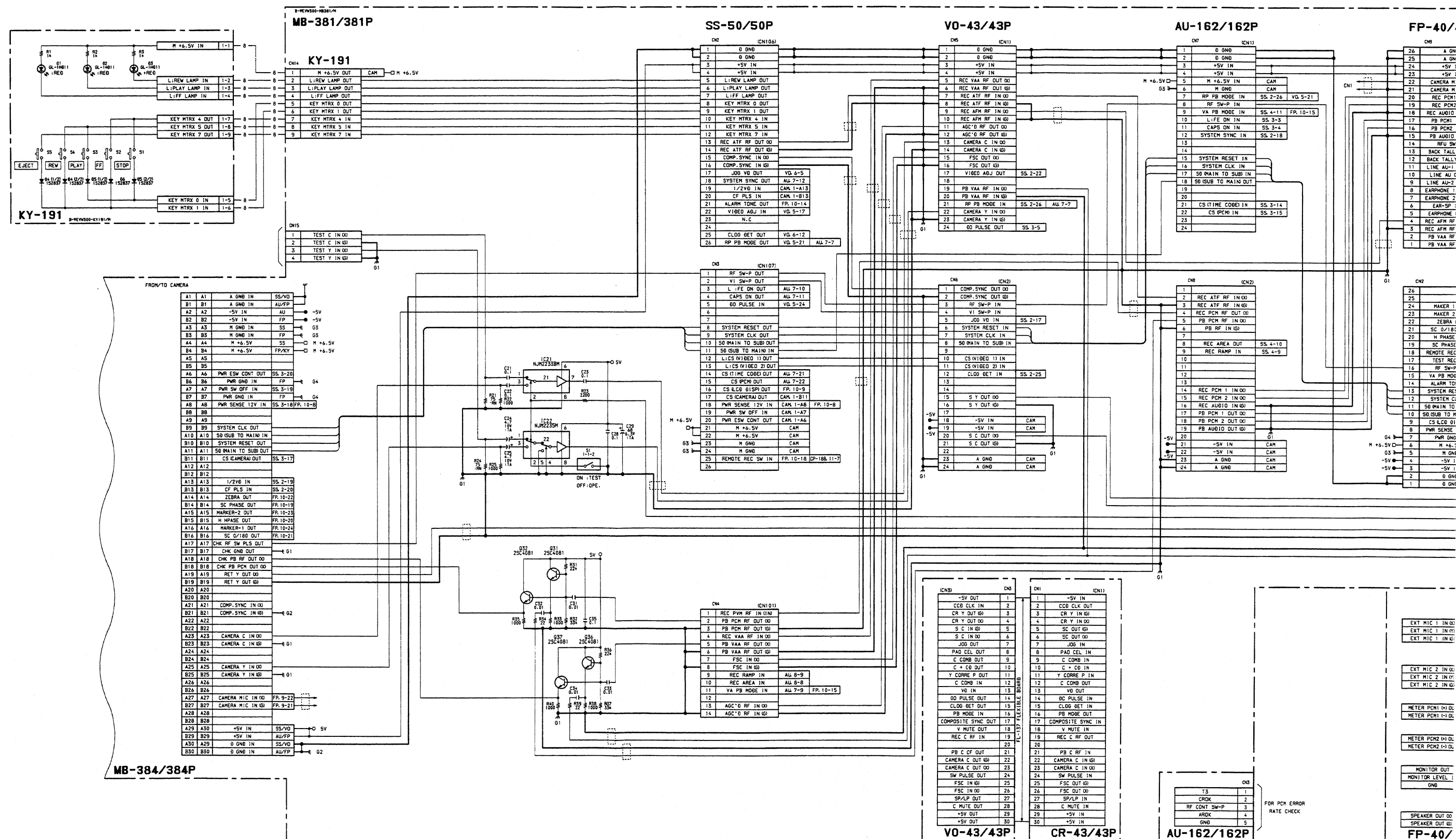
\*: B SIDE

CN1	C-3	*D11	A-2	*Q12	A-2
CN2	D-2			*Q13	A-2
CN5	C-2	IC21	B-3	Q31	D-3
CN7	C-2	IC22	A-3	Q32	D-3
CN9	A-2	*IC41	D-2	Q36	D-3
CN10	A-2	*IC42	D-2	Q37	D-3
CN11	A-3			Q41	D-2
CN12	A-3	*L11	A-3		
CN13	A-3	*L41	D-2	S1	A-1
CN14	D-1				
CN15	A-3	*Q11	A-2		

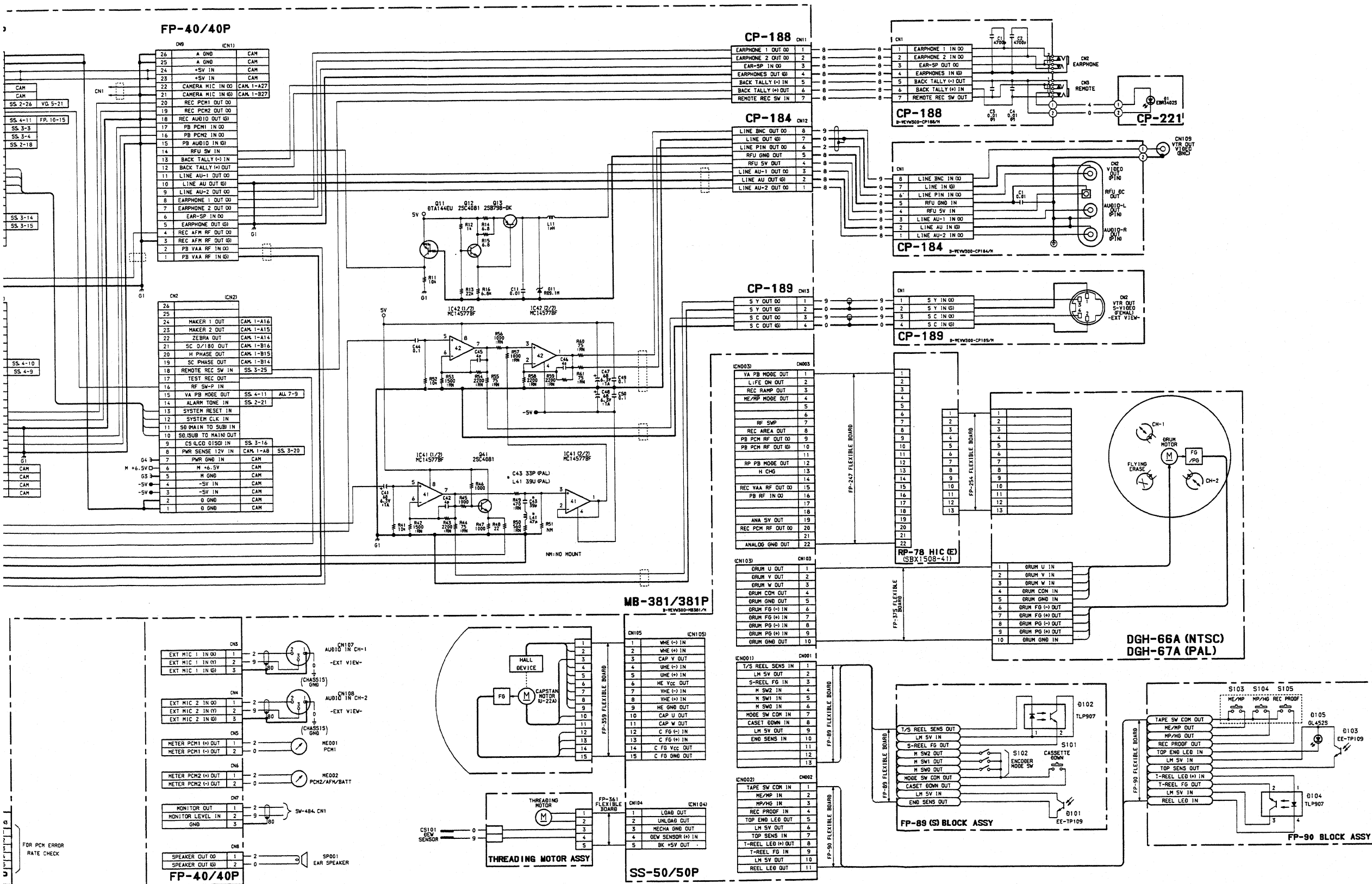
C-122 (a)

EVW-300 (J)  
EVW-300 (UC)  
EVW-300P (EK)

VTR FRAME







**VTR FRAME**  
**MB-381/381P BOARD**  
**CP-188 BOARD**  
**CP-184 BOARD**  
**CP-189 BOARD**  
**CP-221 BOARD**  
**KY-191 BOARD**

EVW-300 (J)  
 EVW-300 (UC)  
 EVW-300P (EK)

SECTION D  
SPARE PARTS

PARTS INFORMATION

1. Safety Related Component Warning

Components identified by shading marked with on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to “accommodating the improved parts and/or engineering changes” or “standardization of genuine parts.” This manual’s exploded view and electrical spare parts lists are indicating the parts numbers of “the standardized genuine parts at present.” Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with “S” in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with “O” will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.  
All inductors are in micro henries unless otherwise specified.  
All resistors are in ohms.
6. As for the spare parts list of DXF-501/501CE, refer to the service manual of the DXC-537/537P.

REPAIR PARTS KIT FOR MECHANISM CHASSIS

The following U' mechanism chassis kits are available for a heavily damaged mechanism by water or sand.

Part No.	SP	Description
A-7040-298-A	s	U/U' MECHANISM CHASSIS KIT (1)
A-7040-300-A	s	U' MECHANISM CHASSIS KIT (3)
A-7040-302-A	s	U' MECHANISM CHASSIS BLOCK ASSY
[Fixtures Required]		
7-662-010-08	s	SONY GREASE (SGL-701)
7-661-018-18	s	OIL (NT-68) (50CC)

Constitution of each kit is shown below.  
Motor and cassette compartment are not included in the kit.

U/U' MECHANISM CHASSIS KIT (1) (A-7040-298-A)

A-7040-219-B	ARM BLOCK SSY, PINCH
X-3728-851-3	TABLE ASSY, REEL, S
X-3728-855-6	TABLE ASSY, REEL, T
X-3728-859-1	BAND ASSY, TENSION REGULATOR
X-3728-867-1	ARM ASSY (S), TENSION REGULATOR
X-3728-869-4	ARM ASSY, TG7
3-321-393-11	WASHER, STOPPER
3-669-465-01	WASHER (1.5), STOPPER
3-726-848-01	RETAINER, TL
3-726-852-02	BRAKE, LB
3-726-853-04	LEVER, LB
3-726-858-04	PIN, SHAFT RETAINER
3-726-864-01	SPRING (RK), TORSION
3-726-866-02	SPRING (ST), TORSION
3-726-882-03	FLANGE, LOWER, TG2
3-726-883-02	ROLLER, TG2
3-726-884-01	FLANGE, UPPER, TG2
3-726-885-01	SLEEVE, TG2
3-726-886-01	SPRING, COMPRESSION
3-728-808-01	SPRING, LEAF
3-728-848-05	ARM, LB RELEASE
3-728-849-01	BRAKE, S
3-728-850-04	BRAKE, T
3-728-852-03	ARM, RK STOPPER
3-728-855-03	ARM, ADJUSTMENT
3-728-875-02	STOPPER, RK
3-728-998-01	SCREW M2X3, SPECIAL HEAD
3-732-087-32	SCREW M1.4X1.8, SPECIAL HEAD
3-736-414-01	SPRING, TENSION
3-945-599-01	MANUAL, INSTRUCTION

U' MECHANISM CHASSIS KIT (3) (A-7040-300-A)

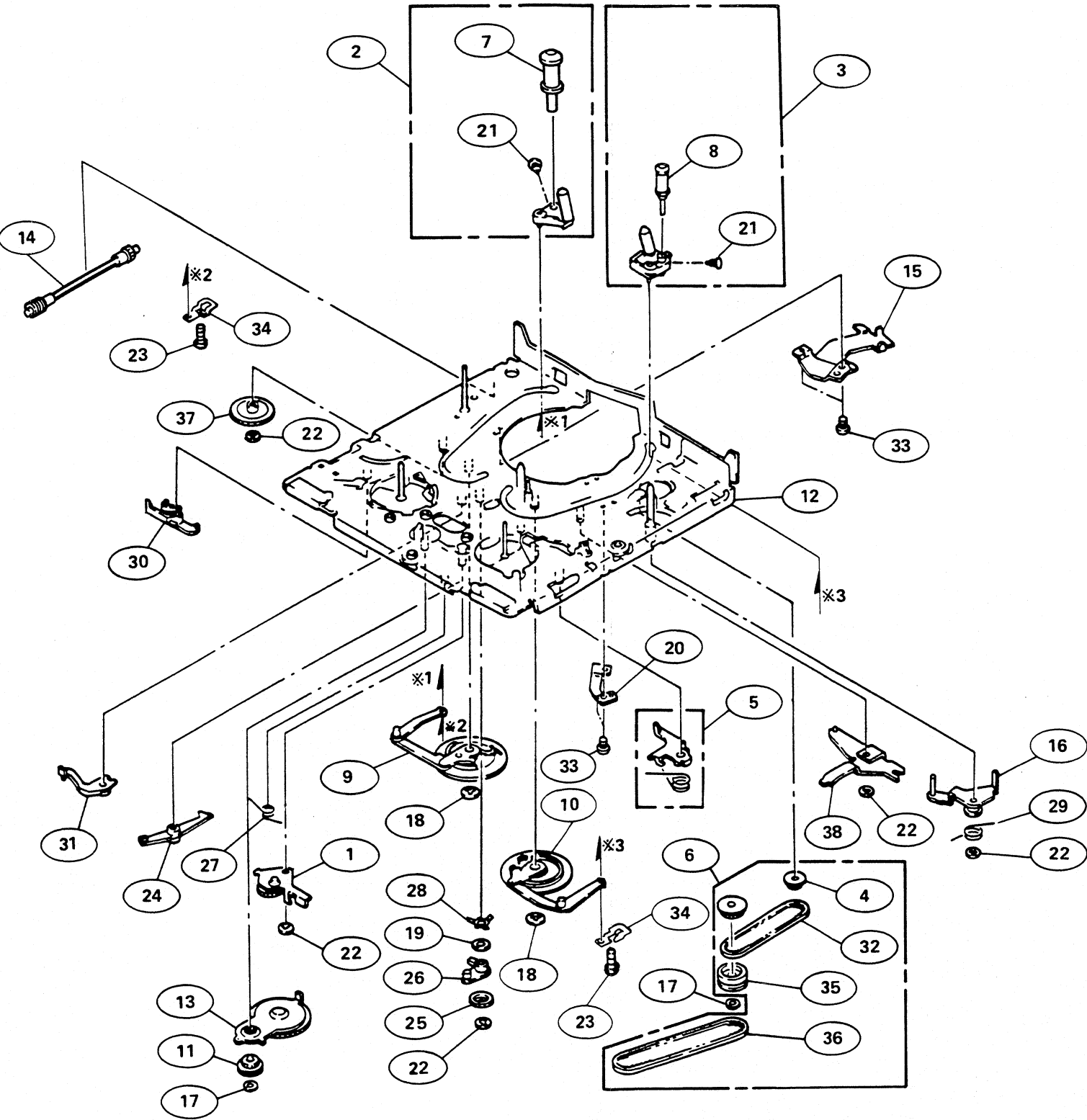
A-7040-207-B	ROLLER BLOCK ASSY, HC
A-7040-225-C	GEAR BLOCK ASSY, LB
X-3686-482-5	BASE ASSY, DRUM
X-3726-808-4	BRAKE ASSY, TS
X-3728-857-2	STOPPER ASSY, TENSION REGULATOR
X-3728-863-2	LEVER ASSY, SW
X-3728-864-1	GROUND ASSY, SHAFT
X-3940-278-1	REINFORCEMENT (SS) ASSY
X-3940-279-1	ARM ASSY, PINCH SUB
1-808-505-23	SENSOR DEW CONDENSATION
3-686-493-01	SCREW (M2X5) P1
3-726-805-04	REINFORCEMENT (TT)
3-726-829-01	WASHER, STOPPER
3-726-865-03	SPRING (LB), TORSION
3-726-895-01	SPRING
3-728-842-03	LEVER, EJECT
3-728-868-07	GUARD, GUIDE
3-732-087-32	SCREW (M1.4X1.8), SPECIAL HEAD
3-741-195-02	PLATE, BLIND, RK
3-945-599-01	MANUAL, INSTRUCTION
7-627-853-27	SCREW, PRECISION +P2X3 TYPE 3
7-627-853-68	SCREW, PRECISION +P2X6 YYPE 3

U' MECHANISM CHASSIS BLOCK ASSY (A-7040-302-A)

A-7040-204-F	COASTER (LEFT) BLOCK ASSY
A-7040-206-A	CHASSIS BLOCK ASSY, MECHANICAL
A-7040-217-C	COASTER (RIGHT) BLOCK ASSY (NIP)
X-3726-805-1	GEAR ASSY, JOINT
X-3726-813-5	PULLEY (UPPER) ASSY, MIDWAY
X-3728-842-3	GEAR (LEFT) ASSY, DRIVE
X-3728-843-4	GEAR (RIGHT) ASSY, DRIVE
X-3728-858-3	GEAR ASSY, RC
X-3728-866-3	GEAR ASST, RK
X-3940-276-2	WORM ASSY
3-321-393-11	WASHER, STOPPER
3-669-465-01	WASHER (1.5), STOPPERE
3-701-436-21	WASHER (1.6), POLYETHYLENE
3-726-829-01	WASHER, STOPPER
3-726-830-01	SCREW (M1.4X4), (THREE LOCK)
3-726-854-01	ARM, BRAKE RELEASE
3-726-856-04	GEAR, UL
3-726-857-03	ARM, UL
3-726-867-01	SPRING, LEAF
3-728-851-01	BRAKE, UL
3-728-866-11	BELT (S), TIMING
3-736-485-04	SPRING, LEAF, COASTER
3-741-196-02	PULLEY (LOWER), BELT MIDWAY
3-741-197-01	BELT (L), TIMING
3-744-109-01	GEAR, WHEEL
3-941-322-01	LEVER, LOADING

EXPLODED VIEW

Threading Drive Block



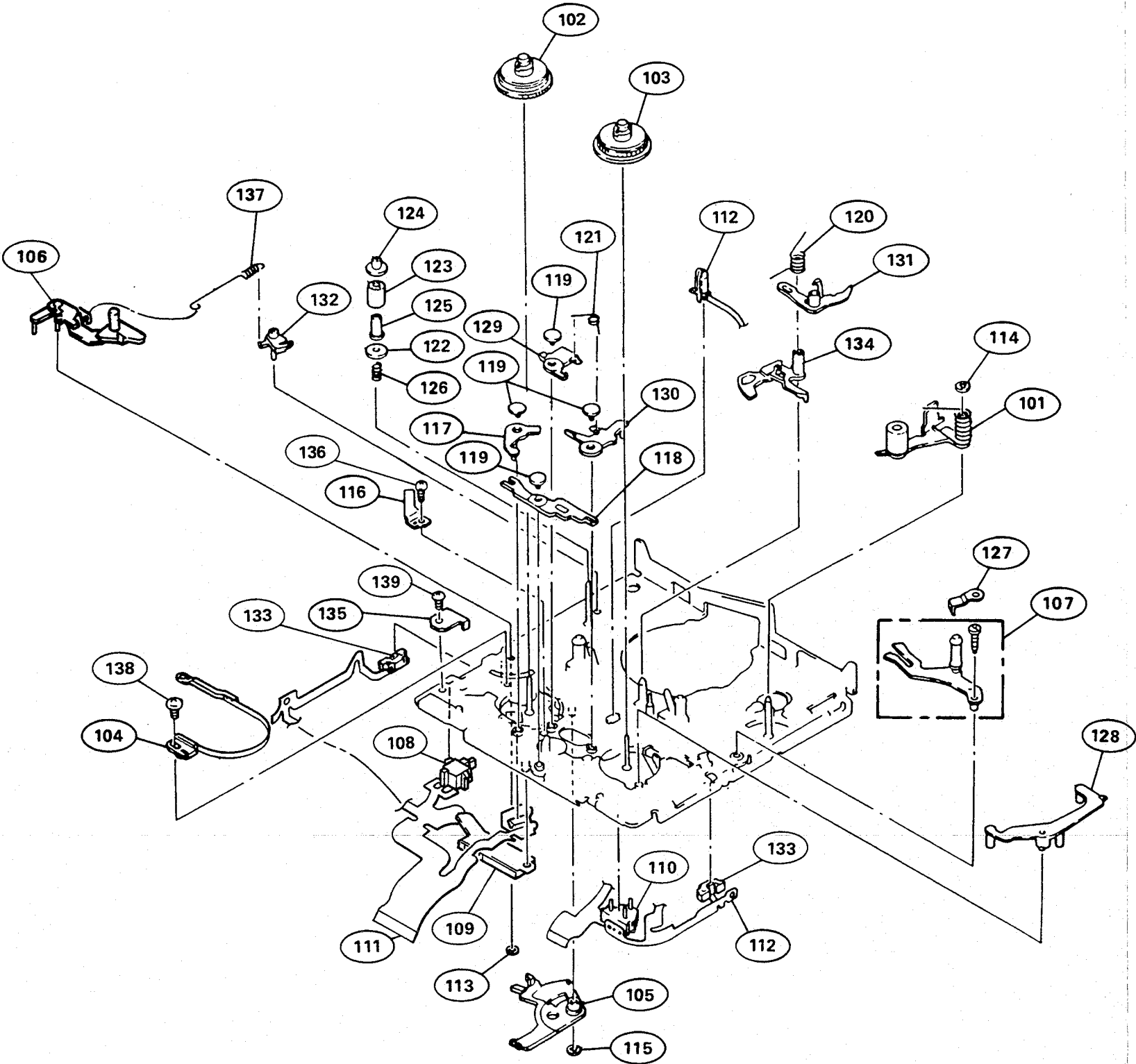
No.	Part No.	SP Description
1	A-7040-130-A	s GEAR BLOCK ASSY, LB
2	A-7040-204-H	s COASTER (LEFT) BLOCK ASSY
3	A-7040-217-F	s COASTER (RIGHT) BLOCK ASSY(N1P)
4	X-3726-805-1	s GEAR ASSY, JOINT
5	X-3726-808-3	s BRAKE ASSY, TS
6	X-3726-813-4	s PULLEY (UPPER) ASSY, MIDWAY
7	X-3726-879-5	s ROLLER ASSY ((U)-NB), GUIDE
8	X-3728-808-4	s ROLLER ASSY (U)(PLATING),GUIDE
9	X-3728-842-1	s GEAR (LEFT) ASSY, DRIVE
10	X-3728-843-1	s GEAR (RIGHT) ASSY, DRIVE
11	X-3728-858-2	s GEAR ASSY, RC
12	X-3728-862-1	s CHASSIS ASSY, MECHANICAL
13	X-3728-866-1	s GEAR ASSY, RK
14	X-3940-276-2	s WORM ASSY
15	X-3940-278-1	s REINFORCEMENT (SS) ASSY
16	X-3940-279-1	s ARM ASSY, PINCH SUB
17	3-321-393-11	s WASHER, STOPPER
18	3-669-465-00	s WASHER (1.5), STOPPER
19	3-701-436-21	s WASHER, POLYETHYLENE
20	3-726-805-01	o REINFORCEMENT (TT)
21	3-726-822-03	s SCREW (M1.4X2) (STEP), HEAD
22	3-726-829-01	s WASHER, STOPPER
23	3-726-830-01	s SCREW (M1.4X4) (THREE LOCK)
24	3-726-854-01	s ARM, BRAKE RELEASE
25	3-726-856-04	s GEAR, UL
26	3-726-857-03	s ARM, UL
27	3-726-865-01	s SPRING (LB), TORSION
28	3-726-867-01	s SPRING, LEAF
29	3-726-895-01	s SPRING
30	3-728-842-01	s LEVER, EJECT
31	3-728-851-01	s BRAKE, UL
32	3-728-866-11	s BELT (S), TIMING
33	3-732-087-31	s SCREW (M1.4X1.8), SPECIAL HEAD
34	3-736-485-04	s SPRING, LEAF, COASTER
35	3-741-196-02	s PULLEY (LOWER), BELT MIDWAY
36	3-741-197-01	s BELT (L), TIMING
37	3-744-109-01	s GEAR, WHEEL
38	3-941-322-01	s LEVER, LOADING

# REEL TABLE BLOCK AND TENSION REGULATOR

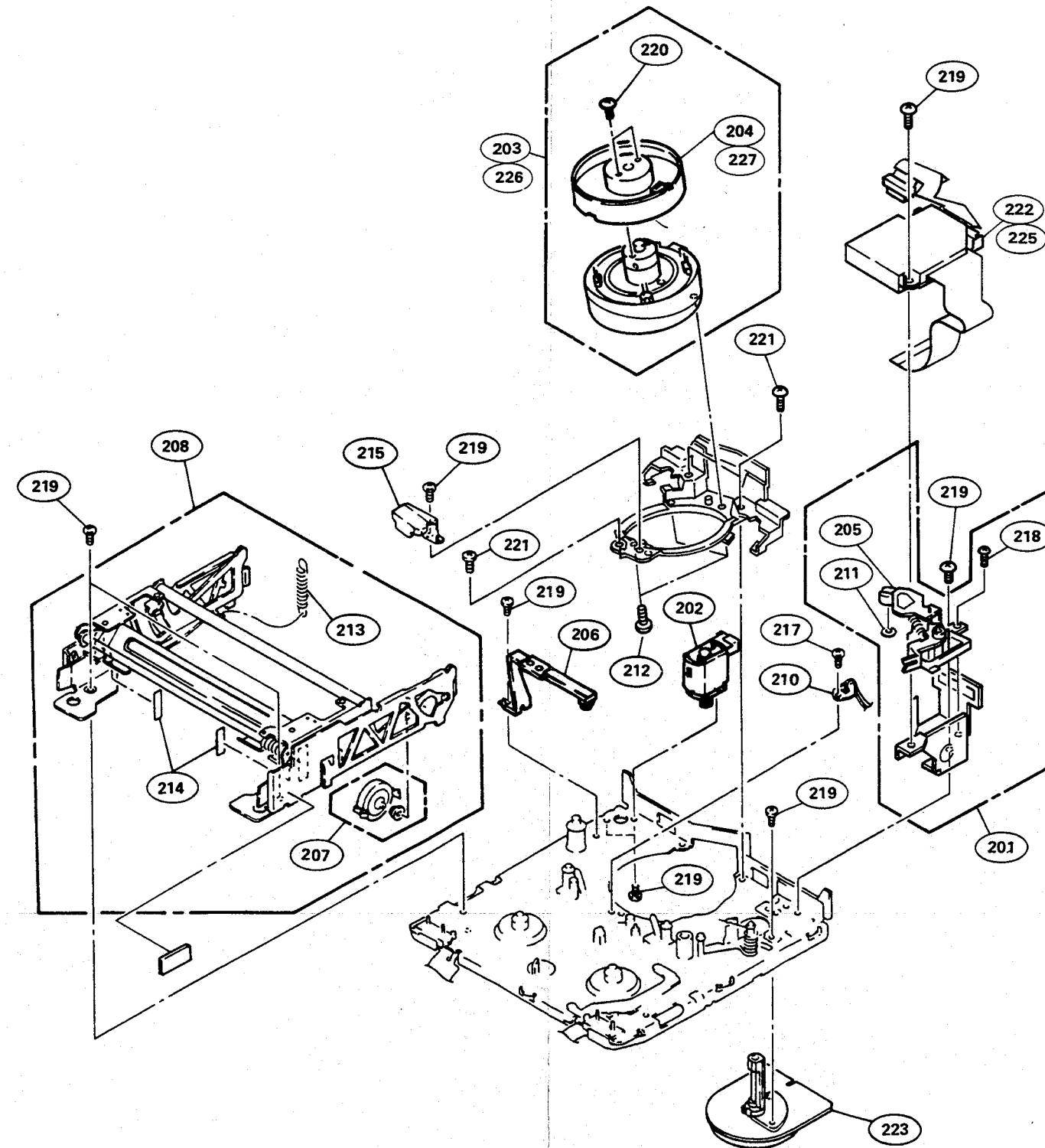
No.	Part No.	SP Description
101	A-7040-219-A	s ARM BLOCK ASSY, PINCH
102	X-3728-851-1	s TABLE ASSY, REEL, S
103	X-3728-855-6	s TABLE ASSY, REEL, T
104	X-3728-859-1	s BAND ASSY, TENSION REGULATOR
105	X-3728-863-1	s LEVER ASSY, SW
106	X-3728-867-1	s ARM ASSY (S), TENSION REGULATOR
107	X-3728-869-1	s ARM ASSY, TG7
108	1-571-099-11	s SWITCH
109	1-572-173-11	s SWITCH, SLIDE (ENCODER)
110	1-572-298-11	s SWITCH, PUSH
111	1-628-060-12	s FLEXIBLE CARD WIRE, FP-89
112	1-628-061-12	s FLEXIBLE CARD WIRE, FP-90
113	3-321-393-11	s WASHER, STOPPER
114	3-669-465-00	s WASHER (1.5), STOPPER
115	3-726-829-01	s WASHER, STOPPER
116	3-726-848-01	s RETAINER, TL
117	3-726-852-01	s BRAKE, LB
118	3-726-853-01	s LEVER, LB
119	3-726-858-01	s PIN, SHAFT RETAINER
120	3-726-864-01	s SPRING (RK), TORSION
121	3-726-866-01	s SPRING (ST), TORSION
122	3-726-882-02	s FLANGE, LOWER, TG2
123	3-726-883-01	s ROLLER, TG2
124	3-726-884-01	s FLANGE, UPPER, TG2
125	3-726-885-01	s SLEEVE, TG2
126	3-726-886-01	s SPRING, COMPRESSION
127	3-728-808-01	s SPRING, LEAF
128	3-728-848-01	s ARM, LB RELEASE
129	3-728-849-01	s BRAKE, S
130	3-728-850-01	s BRAKE, T
131	3-728-852-02	s ARM, RK STOPPER
132	3-728-855-03	s ARM, ADJUSTMENT
133	3-728-869-02	s HOLDER, SENSOR
134	3-728-875-01	s STOPPER, RK
135	3-730-125-01	s RETAINER, SW
136	3-732-087-31	s SCREW (M1.4X1.8), SPECIAL HEAD
137	3-736-414-01	s SPRING, TENSION
138	7-627-553-37	s SCREW, PRECISION +P 2X3
139	7-627-555-88	s SCREW, PRECISION +P 1.4X1.8



Reel Table Block and Tension Regulator



Head Drum and Cassette-Up Compartment



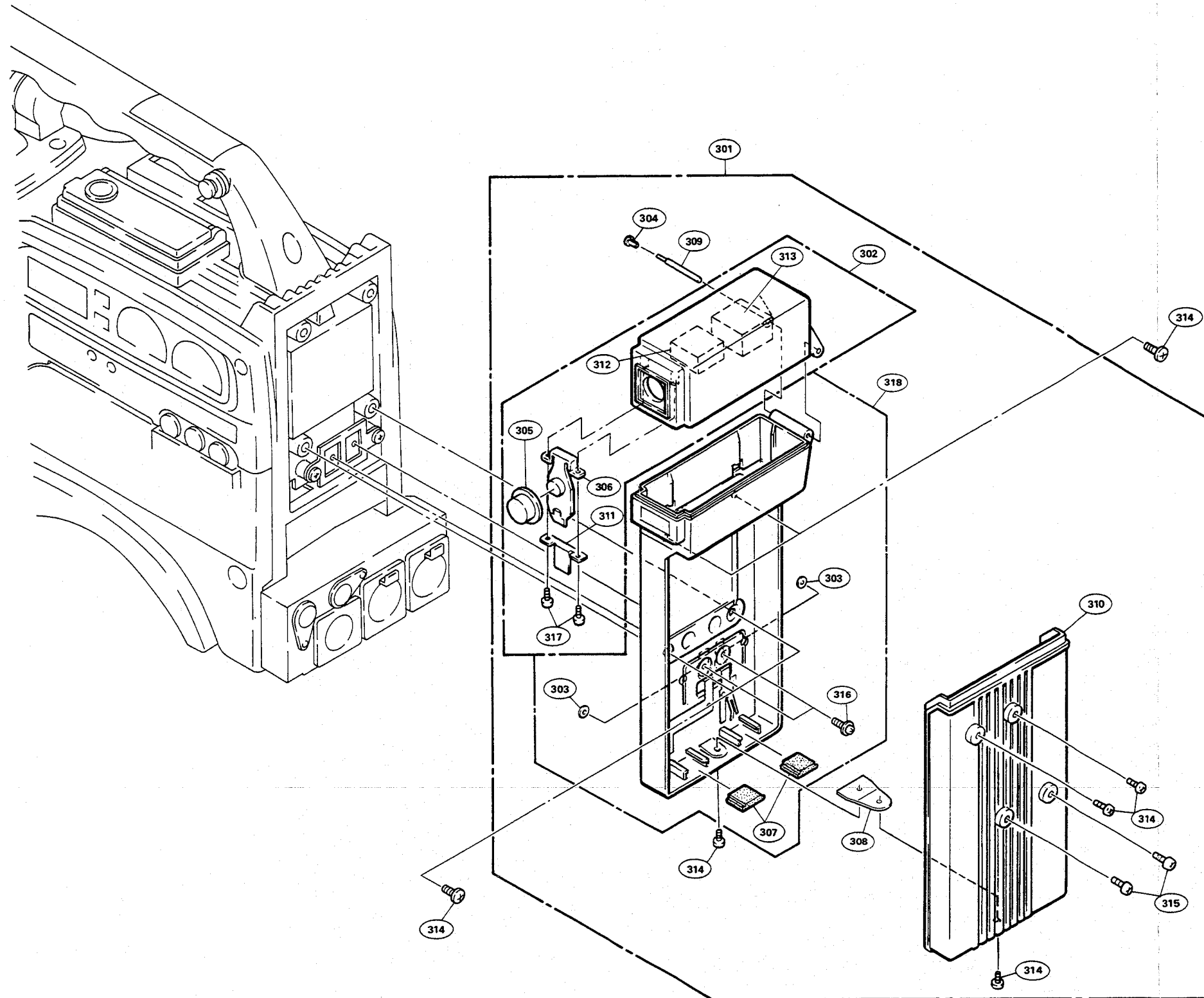
# HEAD DRUM AND CASSETTE-UP COMPARTMENT

No.	Part No.	SP Description
201	A-7040-205-A	s ROLLER BLOCK ASSY (RP), HC
202	A-7040-208-A	s MOTOR ASSY, THREADING
203	A-7048-362-A	s DRUM ASSY, LOWER (DGR-66A-R) (FOR EVW-300)
204	A-7049-312-A	s DRUM ASSY, ROTARY (DGR-66-R) (FOR EVW-300)
205	X-3728-861-1	s ROLLER ASSY, HC
206	X-3728-864-1	s GROUND ASSY, SHAFT
207	X-3726-836-3	s DAMPER ASSY
208	X-3940-095-1	s CASSETTE COMPARTMENT ASSY (N)
210	1-808-505-12	s SENSOR, DEW CONDENSATION
211	3-321-393-11	s WASHER, STOPPER
212	3-686-493-01	s SCREW (M2X5), P1
213	3-728-825-03	s SPRING, TENSION
214	3-728-829-01	o TAPE
215	3-728-868-01	s GUARD, GUIDE
217	3-732-087-31	s SCREW (M1.4X1.8), SPECIAL HEAD
218	7-627-555-88	s SCREW, PRECISION +P 1.4X1.8
219	7-627-853-27	s PRECISION SCREW +P 2X3 TYPE 3
220	7-627-853-57	s PRECISION SCREW +P 2X5 TYPE 3
221	7-627-853-68	s SCREW, PRECISION +P 2X6 TYPE3
222	8-741-101-34	s SBX1508-41 BOARD (FOR EVW-300)
223	8-835-331-31	s MOTOR, DC U-22A
225	8-741-101-35	s SBX1508-51 BOARD (FOR EVW-300P)
226	A-7048-364-A	s DRUM ASSY, LOWER (DGR-67A-R) (FOR EVW-300P)
227	A-7049-313-A	s DRUM ASSY, ROTARY (DGR-67-R) (FOR EVW-300P)

## BATTERY CASE

No.	Part No.	SP Description
301	A-6703-651-C	s CASE ASSY, BATTERY
302	X-3717-701-3	o COVER ASSY, TOP, BATTERY
303	3-669-596-00	s WASHER (2.3), STOPPER
304	3-703-075-00	s CAP 2, SHAFT
305	3-717-702-01	s PUSH BUTTON
306	3-717-703-03	s HOOK
307	3-717-707-02	o CUSHION (2)
308	3-717-708-01	o RETAINER, CASE
309	3-717-709-01	o SHAFT, LID
310	3-718-040-01	o COVER (1), BATTERY CASE
311	3-718-172-01	o RETAINER, HOOK
312	3-729-720-01	o CUSHION (LEFT)
313	3-729-721-01	o CUSHION (RIGHT)
314	7-682-546-09	s SCREW +B 3X5
315	7-682-559-09	s SCREW +B 4X5
316	7-682-948-01	s SCREW +PSW 3X8
317	7-685-133-19	s SCREW +P 2.6X6 TYPE2
318	X-3717-742-5	o CASE SUB ASSY, BATTERY

Battery Case





## SIDE PLATE AND HANDLE ASSY

This is a detailed exploded view diagram of a mechanical assembly, likely a piece of industrial equipment. The diagram shows the relationship between various components, which are identified by numerical callouts. Key features include:

- Top Section:** A large rectangular component (402) with a handle (409) and a latch (453). It is shown in an exploded position relative to the main body.
- Central Body:** The main housing of the device, featuring a front panel with a display or control area (413, 414) and a rear section with mounting points (417, 418).
- Bottom Section:** A base or support structure (401) with various mounting points and a handle (430).
- Internal Components:** Numerous smaller parts are shown in their relative positions, including screws (e.g., 462, 463, 464), washers (e.g., 435, 436), and specialized fasteners (e.g., 441, 442, 443).
- Callouts:** Each part is labeled with a number in a circle. Some numbers are repeated, indicating multiple instances of a part. For example, 462 is used for several screws, and 435 is used for multiple washers.
- Assembly Notes:** There are several "X" marks with numbers (e.g., X1, X2) indicating specific assembly points or quantities.
- UC, EK:** A label "UC, EK" is present in the upper right area, possibly indicating a specific configuration or version of the assembly.

The diagram is a technical drawing used for assembly instructions, showing the spatial relationship and assembly sequence of the various parts of the device.

No.	Part No.	SP Description
401	A-8262-396-C	o PANEL ASSY, L
402	A-8262-398-A	o LID ASSY, CASSETTE COMPARTMENT
403	A-8262-402-A	o HANDLE ASSY (FOR EVW-300;UC/EVW-300P;EK)
404	A-8262-403-A	o HANDLE ASSY (FOR EVW-300;J)
405	A-8271-250-A	o MOUNTED CIRCUIT BOARD, FP-40 (FOR EVW-300)
406	A-8271-260-A	o MOUNTED CIRCUIT BOARD, SW-507
407	X-3166-641-2	s PAD ASSY, R
408	X-3166-642-1	s COVER ASSY, R PANEL
409	X-3166-643-1	s LID SUB ASSY
410	X-3166-645-1	o HANDLE (BASE) ASSY
411	X-3166-646-5	o PANEL SUB ASSY, R (FOR EVW-300)
412	X-3722-416-1	s KNOB (A) (ORANGE) ASSY, SW
413	1-520-495-11	s METER, LEVEL
414	1-520-495-21	s METER, LEVEL
415	1-544-312-11	s SPEAKER (DIA. 20)
416	1-552-504-00	s SWITCH, TOGGLE "POWER"
417	1-643-114-11	o PRINTED CIRCUIT BOARD, SW-484
418	1-643-115-11	o PRINTED CIRCUIT BOARD, SW-485
419	1-807-981-11	s DISPLAY PANEL, LIQUID CRYSTAL
420	1-808-016-11	s LED MODULE
421	2-277-468-01	o PLATE, ORNAMENTAL, CAMERA SHOE (FOR EVW-300;UC/EVW-300P;EK)
422	3-168-335-01	o SHOE (2), VF SLIDE
423	3-171-678-01	o HOLDER, LCD
424	3-175-616-01	s SUPPORT, HINGE
425	3-175-618-01	s KNOB, POSITION
426	3-175-621-01	s PLATE, LOCK
427	3-175-624-01	o LABEL (A)
428	3-175-628-01	o LID, HANDLE
429	3-175-658-01	o LABEL (3) (FOR EVW-300)
430	3-175-666-01	s COVER, PJ RUBBER
431	3-175-673-01	o HANDLE
432	3-176-128-01	s KNOB, SW
433	3-176-516-01	o LABEL, FILTER
434	3-657-700-00	s BRACKET, ACCESSORY (FOR EVW-300;UC/EVW-300P;EK)
435	3-669-596-00	s WASHER (2.3), STOPPER
436	3-672-213-00	o SHEET, ADHESIVE (FOR EVW-300;UC/EVW-300P;EK)
437	3-676-088-00	o SHAFT, KNOB
438	3-676-244-00	s COVER, SWITCH
439	3-686-084-01	s PUSH BUTTON
440	3-686-086-01	s CUSHION, BUTTON
441	3-688-754-01	o SPRING (FOR EVW-300;J)
442	3-688-755-11	o SHOE ACCESSORY (FOR EVW-300;J)
443	3-689-039-11	s BOLT (M2X6), HOLE, HEXAGON
444	3-710-018-01	o COLLAR, SLIDE
445	3-679-543-11	o RING (D), LOCK
446	3-717-900-01	s KNOB (A) (TC), SW
447	3-717-902-31	o PLATE, ORNAMENTAL
448	3-717-940-01	s SHAFT, TC LEVER
449	3-717-941-01	s RUBBER, TC LEVER
450	3-717-942-11	s LEVER, TC
451	3-718-694-01	s PIN, PUSH BUTTON
452	3-720-919-01	o RUBBER, LOCK RING
453	3-721-174-01	s SPRING, TORSION
454	3-724-754-02	s KNOB (R), VR
455	3-724-755-03	s KNOB (F), VR
456	3-744-304-01	s KNOB (SUPPORT)
457	3-744-310-01	o BRACKET, METER
458	3-744-311-01	o HOLDER, SP
459	3-744-314-03	s DOOR, CASSETTE
460	3-744-315-01	s SHAFT, DOOR
461	7-621-255-65	s SCREW +P 2X10
462	7-621-770-87	s SCREW +B 2.6X5
463	7-621-772-08	s SCREW +B 2X3
464	7-621-772-40	s SCREW +B 2X8
465	7-627-552-37	s SCREW, PRECISION +P1.7X3
467	3-178-213-21	s SCREW +B 3X10
468	3-178-213-31	s SCREW +B 3X12
469	7-682-563-09	s SCREW +B 4X12
470	7-685-133-19	s SCREW +BTP 2.6X6 TYPE2 N-S
471	7-685-546-19	s SCREW +BTP 3X8 TYPE2 N-S
472	8-814-250-10	s MICROPHONE, BUILT-IN C-2025A
473	3-176-488-01	o VR SHEET
474	A-8271-336-A	o MOUNTED CIRCUIT BOARD, FP-40P (FOR EVW-300P)
475	X-3166-697-5	o PANEL(P) SUB ASSY, R (FOR EVW-300P)
476	3-176-043-01	o LABEL (B)
478	7-621-773-86	s SCREW +B 2.6X4
479	7-683-427-04	s BOLT, HEXAGON SOCKET 4X25
480	3-722-651-01	o PIN, PARALLEL
481	9-911-841-99	s CUSHION, RUBBER
482	3-312-823-00	s PACKING, KNOB
483	X-2536-714-1	o WIND SCREEN ASSY

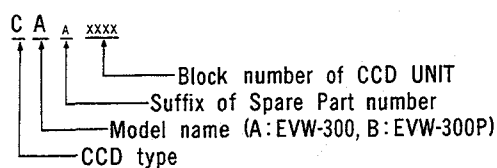
## FRONT UNIT ASSY

No.	Part No.	SP Description
501	A-7575-201-A	s CCD UNIT-EVW300(N) (FOR EVW-300) *1
502	A-8276-283-A	o MOUNTED CIRCUIT BOARD, SW-506
503	X-3166-644-1	o PANEL ASSY, FRONT
504	1-547-463-11	o FILTER UNIT, OPTICAL
505	1-554-174-00	s SWITCH, KEYBOARD "UP/ON" "DOWN/OFF" "VTR"
506	1-554-486-00	s SWITCH, TOGGLE "WHT/BLK"
507	1-561-320-00	s CONNECTOR, DIN 8P FEMALE "VF"
508	1-570-984-11	s SWITCH, TOGGLE "SHUTTER ON/OFF"
509	3-312-823-00	s PACKING, KNOB
510	3-672-221-02	s PACKING, CONTROL
511	3-676-244-00	s COVER, SWITCH
512	3-678-629-00	s LEVER, MOUNT
513	3-699-047-01	s KNOB, FILTER
514	3-699-144-02	s CAP, MOUNT
515	3-701-506-01	s SET SCREW, DOUBLE POINT 3X4
516	7-621-775-10	s SCREW +B 2.6X4
517	7-623-307-01	s LW 2.6, TYPE (A)
518	7-627-452-28	s SCREW, PRECISION +K 2X4
519	7-627-556-37	s SCREW, PRECISION +P 2.6X4 TYPE1
520	7-682-547-04	s SCREW +B 3X6
521	7-682-551-09	s SCREW +B 3X14
522	3-176-706-01	o CLAMP, CABLE
523	A-7575-202-A	s CCD-UNIT-EVW-300P(P) (FOR EVW-300P) *2
525	3-178-213-01	s SCREW +B 3X6
526	3-178-213-41	s SCREW +B 3X14
527	7-621-773-86	s SCREW +B 2.6X4

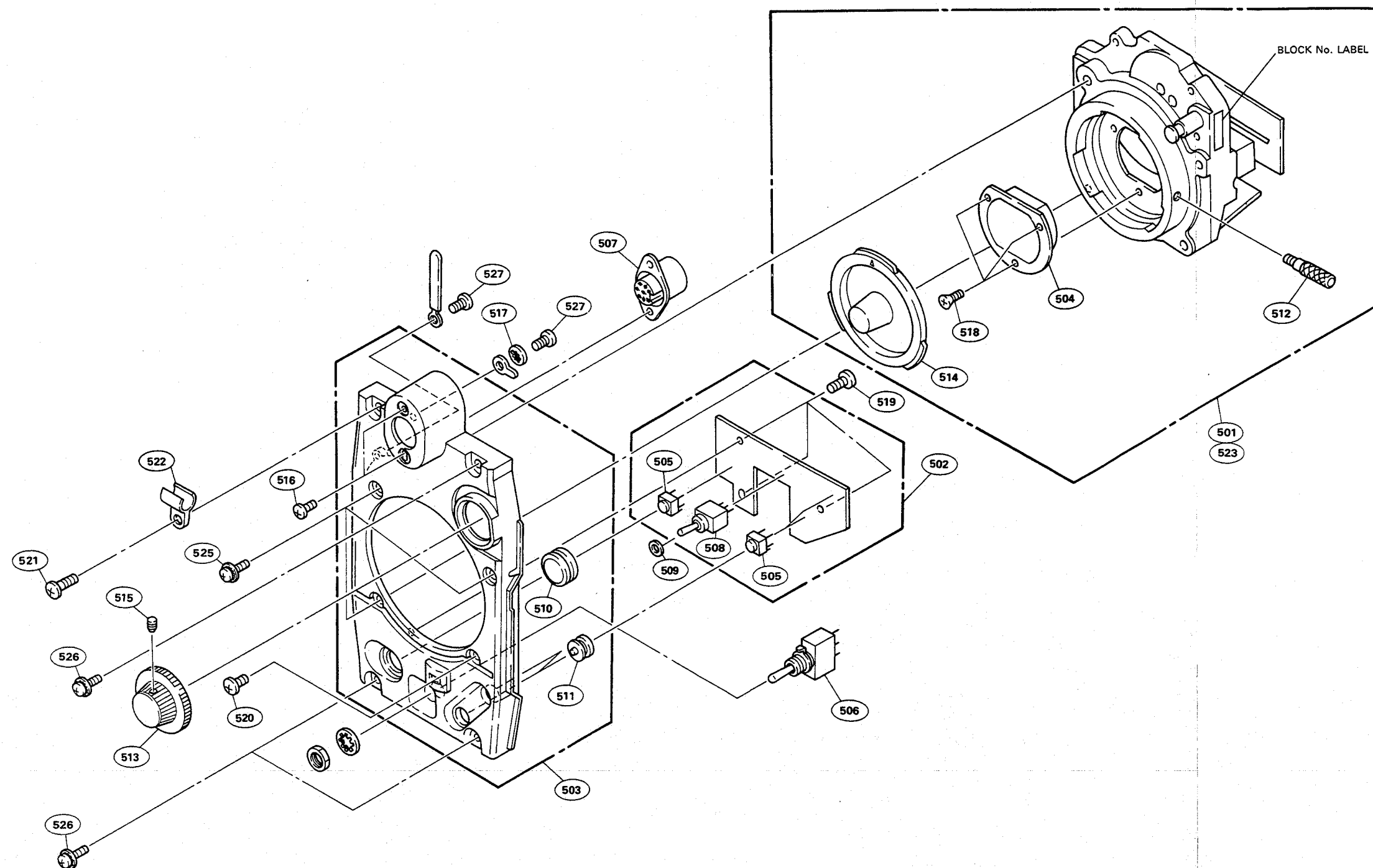
\*1 CCD BLOCK NUMBER; CA<sub>A</sub> xxxx

\*2 CCD BLOCK NUMBER; CB<sub>A</sub> xxxx

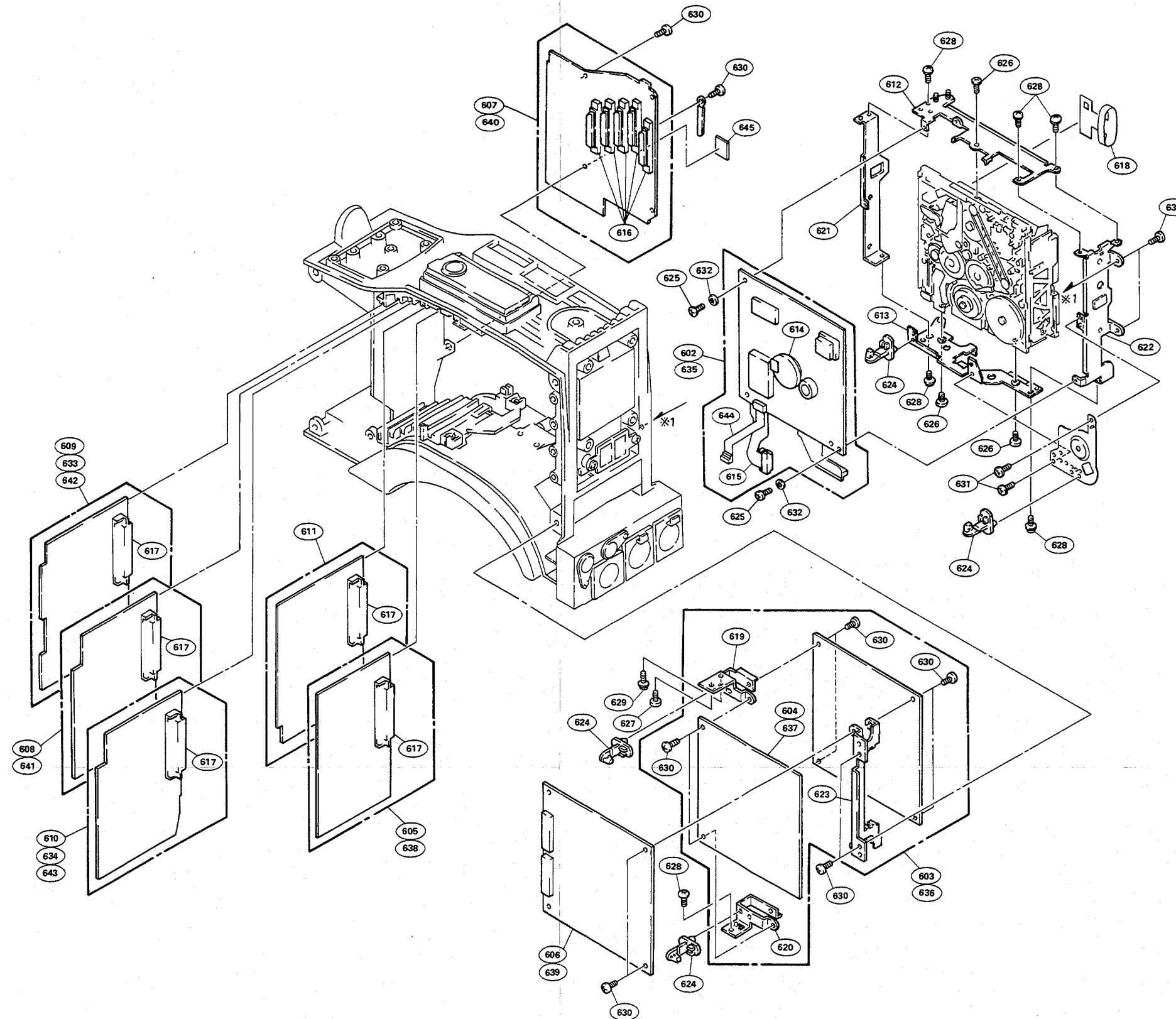
How to read the CCD BLOCK NUMBER



Front Unit Assy



EVW-300 (J, UC)  
EVW-300P (EK)





No.	Part No.	SP Description	
602	△A-8271-251-A	o MOUNTED CIRCUIT BOARD, SS-50 (FOR EVW-300)	641 A-8271-344-A o MOUNTED CIRCUIT BOARD, IE-33P (FOR EVW-300P)
603	A-8271-252-A	o MOUNTED CIRCUIT BOARD, VO-43 (FOR EVW-300)	642 A-8271-343-A o MOUNTED CIRCUIT BOARD, PR-159P (FOR EVW-300P)
604	A-8271-253-A	o MOUNTED CIRCUIT BOARD, CR-43 (FOR EVW-300)	643 A-8271-345-A o MOUNTED CIRCUIT BOARD, ES-4P (FOR EVW-300P)
605	A-8271-254-A	o MOUNTED CIRCUIT BOARD, MB-381 (FOR EVW-300)	644 1-637-683-11 o FLEXIBLE CARD WIRE, FP-361
			645 9-911-840-99 s CUSHION
606	A-8271-255-A	o MOUNTED CIRCUIT BOARD, AU-162 (FOR EVW-300)	
607	A-8271-259-A	o MOUNTED CIRCUIT BOARD, MB-384 (FOR EVW-300)	
608	A-8271-261-A	o MOUNTED CIRCUIT BOARD, IE-33 (FOR EVW-300)	
609	A-8271-262-A	o MOUNTED CIRCUIT BOARD, PR-159 (FOR EVW-300;UC)	
610	A-8271-263-A	o MOUNTED CIRCUIT BOARD, ES-4 (FOR EVW-300;UC)	
611	A-8271-264-A	o MOUNTED CIRCUIT BOARD, AT-70	
612	X-3166-665-1	o SUPPORT (UPPER) ASSY, MD	
613	X-3166-666-1	o SUPPORT (LOWER) ASSY, MD	
614	1-528-229-11	o BATTERY, LITHIUM (CR-2450)	
615	1-637-680-11	o FLEXIBLE CARD WIRE, FP-375	
616	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P	
617	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P	
618	3-166-824-01	s RIBBON (2), LID RETAINER	
619	3-175-619-01	o SUPPORT (UPPER), PC BOARD	
620	3-175-620-01	o SUPPORT (LOWER), PC BOARD	
621	3-175-638-01	o SUPPORT (RIGHT), MD	
622	3-175-639-03	o SUPPORT (LEFT), MD	
623	3-175-650-01	o SUPPORT (RIGHT), PC BOARD	
624	3-175-660-01	o HINGE, PC BOARD	
625	7-621-773-86	s SCREW +B 2.6X4	
626	3-744-603-01	s SCREW	
627	7-621-259-25	s SCREW +P 2.6X4	
628	7-621-259-35	s SCREW +P 2.6X5	
629	7-621-259-45	s SCREW +P 2.6X6	
630	7-621-770-87	s SCREW +B 2.6X5	
631	7-621-772-08	s SCREW +B 2X3	
632	7-623-307-01	s LW 2.6 TYPE (A)	
633	A-8271-265-A	o MOUNTED CIRCUIT BOARD, PR-159 (FOR EVW-300;J)	
634	A-8271-266-A	o MOUNTED CIRCUIT BOARD, ES-4 (FOR EVW-300;J)	
635	△A-8271-337-A	o MOUNTED CIRCUIT BOARD, SS-50P (FOR EVW-300P)	
636	A-8271-338-A	o MOUNTED CIRCUIT BOARD, VO-43P (FOR EVW-300P)	
637	A-8271-339-A	o MOUNTED CIRCUIT BOARD, CR-43P (FOR EVW-300P)	
638	A-8271-342-A	o MOUNTED CIRCUIT BOARD, MB-381P (FOR EVW-300P)	
639	A-8271-340-A	o MOUNTED CIRCUIT BOARD, AU-162P (FOR EVW-300P)	
640	A-8271-341-A	o MOUNTED CIRCUIT BOARD, MB-384P (FOR EVW-300P)	

# FRAME ASSY BLOCK

No.	Part No.	SP Description		
701	A-8262-399-A	s KY ASSY	751	7-623-308-07 s LW3, TYPE(A)
702	A-8262-401-A	s PAD ASSY, SHOULDER	752	7-623-305-07 s LW2, TYPE(A)
703	X-3166-640-1	o PLATE ASSY, REAR	753	7-621-775-20 s SCREW +B 2.6X5
704	X-3664-212-2	s SHOE ASSY (B), T		
705	A1-466-716-11	s CONVERTER UNIT, DC-DC		
706	1-507-980-21	s JACK, STEREO MINIATURE "REMOTE" "EAR"		
707	1-509-891-00	s CONNECTOR, BNC "VTR VIDEO" "CAMERA VIDEO" "GENLOCK"		
708	1-554-371-51	s SWITCH, TACT "EJECT" " F FWD" "REW" "STOP" "PLAY"		
709	1-562-222-41	s CONNECTOR 6P FEMALE "LENS"		
710	1-563-029-21	s CONNECTOR 3P FEMALE "AUDIO IN CH1" "AUDIO IN CH2"		
711	1-564-603-11	s CONNECTOR (WITH DC SW) 4P MALE "DC IN 12V"		
712	1-573-590-12	s CONNECTOR, 4P FEMALE "S VIDEO"		
713	1-569-556-11	s JACK "VIDEO/RFU DC OUT/AUDIO-L.R"		
714	1-642-127-11	o PRINTED CIRCUIT BOARD, CP-184		
715	1-642-128-12	o PRINTED CIRCUIT BOARD, CP-188		
716	1-642-129-12	o PRINTED CIRCUIT BOARD, CP-189		
717	1-643-585-11	o PRINTED CIRCUIT BOARD, CP-221		
718	3-175-617-01	o SUPPORT, GUIDE		
719	3-175-622-01	o BRACKET, JACK		
720	3-175-623-01	s STRAP		
721	3-175-625-01	o SUPPORT, CONNECTOR		
722	3-175-640-01	o BRACKET, CONNECTOR		
723	3-175-662-02	o GUIDE (UPPER), PC BOARD		
724	3-175-663-02	o GUIDE (LOWER), PC BOARD		
725	3-669-596-00	s WASHER (2.3), STOPPER		
726	3-673-281-00	o SPRING, COMPRESSION		
727	3-675-963-02	s FOOT, FRONT, RUBBER		
728	3-675-964-01	s FOOT, REAR, RUBBER		
729	3-675-965-01	s SPACER (2.6X2)		
730	3-699-176-01	o STOPPER (2)		
731	3-717-854-01	o SHAFT, KEY BOARD COVER		
732	3-717-996-04	s TERMINAL BOARD		
733	3-718-028-01	o HOLDER, TERMINAL		
734	3-718-032-01	s SHEET, RUBBER, DROP PROTECTION		
735	3-718-042-21	o FRAME, KEY BOARD		
736	3-718-043-23	o COVER, KEY BOARD		
737	3-718-044-01	s COVER, KEY BOARD RUBBER		
738	3-724-730-02	s RUBBER (EA), DROP PROTECTION		
739	7-621-259-52	s SCREW +P 2.6X8		
740	7-621-770-87	s SCREW +B 2.6X5		
741	7-621-772-30	s SCREW +B 2X6		
742	7-621-772-40	s SCREW +B 2X8		
743	7-621-775-08	s SCREW +B 2.6X3		
744	7-685-102-19	s SCREW +P 2X4		
745	7-682-547-04	s SCREW +B 3X6		
746	7-682-548-04	s SCREW +B 3X8		
747	7-682-561-09	s SCREW +B 4X8		
748	7-685-645-79	s SCREW +BVTP 3X6		
749	8-719-902-27	s DIODE EBR3402S		
750	7-621-772-18	s SCREW +B 2X4		

## FRAME ASSY BLOCK

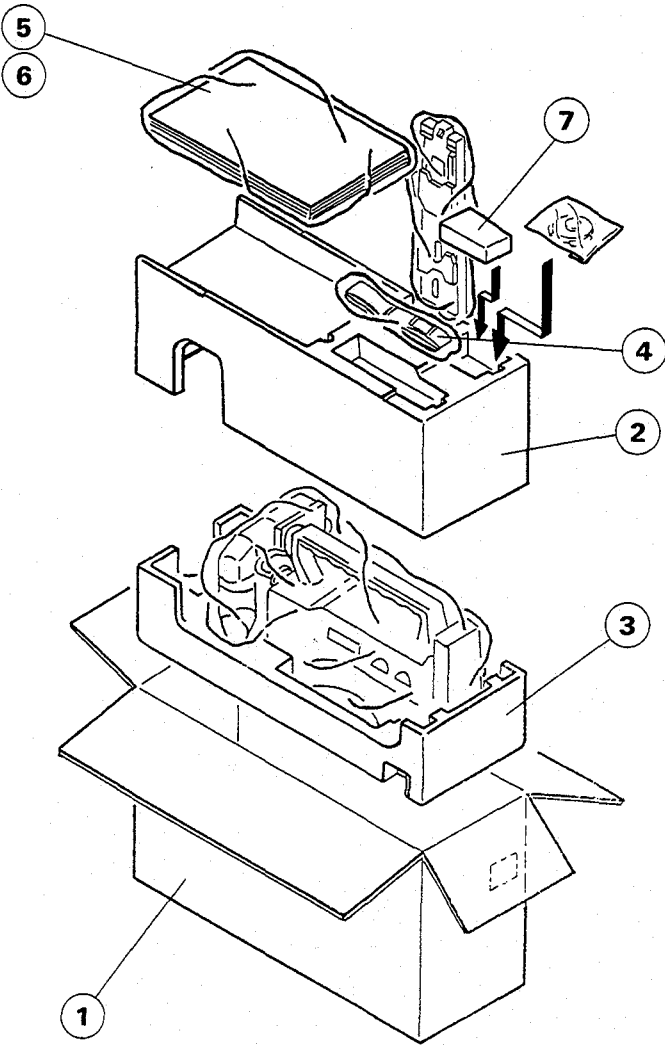
EVW-300 (J, UC)  
EVW-300P (EK)



PACKING MATERIAL AND ACCESSORIES

EVW-300K/300L/300PK/300PL

No.	Part No.	SP Description
1	3-176-530-03	o INDIVIDUAL CARTON (EVW-300K)
	3-176-532-03	o INDIVIDUAL CARTON (EVW-300L)
	3-176-531-03	o INDIVIDUAL CARTON (EVW-300PK)
	3-176-533-03	o INDIVIDUAL CARTON (EVW-300PL)
2	3-176-534-04	o CUSHION (UPPER)
3	3-176-535-04	o CUSHION (LOWER)
4	3-698-917-01	o BELT, SHOULDER
5	3-755-231-03	s MANUAL, INSTRUCTION (JAPANESE)
	3-755-231-14	s MANUAL, INSTRUCTION (ENGLISH)
	3-755-231-23	s MANUAL, INSTRUCTION (FRENCH)
	3-755-231-31	s MANUAL, INSTRUCTION (GERMAN)
	3-755-231-41	s MANUAL, INSTRUCTION (ITALIAN)
	3-755-231-51	s MANUAL, INSTRUCTION (CHINESE)
6	3-764-889-01	o CHART, ADJUSTMENT
7	8-883-112-29	s CASSETTE, CLEANING(V8-6CLHSP)



# ELECTRICAL PARTS LIST

## RESISTOR, CHIP METAL

Part No. SP Description

1-216-864-11	s RES, CHIP METAL	0	5%	1/16W
1-216-789-11	s RES, CHIP METAL	2.2	5%	1/16W
1-216-790-11	s RES, CHIP METAL	2.7	5%	1/16W
1-216-791-11	s RES, CHIP METAL	3.3	5%	1/16W
1-216-793-11	s RES, CHIP METAL	4.7	5%	1/16W
1-216-794-11	s RES, CHIP METAL	5.6	5%	1/16W
1-216-795-11	s RES, CHIP METAL	6.8	5%	1/16W
1-216-796-11	s RES, CHIP METAL	8.2	5%	1/16W
1-216-797-11	s RES, CHIP METAL	10	5%	1/16W
1-216-798-11	s RES, CHIP METAL	12	5%	1/16W
1-216-799-11	s RES, CHIP METAL	15	5%	1/16W
1-216-801-11	s RES, CHIP METAL	22	5%	1/16W
1-216-802-11	s RES, CHIP METAL	27	5%	1/16W
1-216-803-11	s RES, CHIP METAL	33	5%	1/16W
1-216-804-11	s RES, CHIP METAL	39	5%	1/16W
1-216-805-11	s RES, CHIP METAL	47	5%	1/16W
1-216-806-11	s RES, CHIP METAL	56	5%	1/16W
1-216-807-11	s RES, CHIP METAL	68	5%	1/16W
1-218-285-11	s RES, CHIP METAL	75	5%	1/16W
1-216-808-11	s RES, CHIP METAL	82	5%	1/16W
1-218-286-11	s RES, CHIP METAL	91	5%	1/16W
1-216-809-11	s RES, CHIP METAL	100	5%	1/16W
1-216-810-11	s RES, CHIP METAL	120	5%	1/16W
1-216-811-11	s RES, CHIP METAL	150	5%	1/16W
1-216-812-11	s RES, CHIP METAL	180	5%	1/16W
1-216-813-11	s RES, CHIP METAL	220	5%	1/16W
1-216-814-11	s RES, CHIP METAL	270	5%	1/16W
1-218-288-11	s RES, CHIP METAL	300	5%	1/16W
1-216-815-11	s RES, CHIP METAL	330	5%	1/16W
1-218-269-11	s RES, CHIP METAL	360	5%	1/16W
1-216-816-11	s RES, CHIP METAL	390	5%	1/16W
1-218-482-11	s RES, CHIP METAL	430	5%	1/16W
1-216-817-11	s RES, CHIP METAL	470	5%	1/16W
1-218-289-11	s RES, CHIP METAL	510	5%	1/16W
1-216-818-11	s RES, CHIP METAL	560	5%	1/16W
1-220-373-11	s RES, CHIP METAL	620	5%	1/16W
1-216-819-11	s RES, CHIP METAL	680	5%	1/16W
1-218-484-11	s RES, CHIP METAL	750	5%	1/16W
1-216-820-11	s RES, CHIP METAL	820	5%	1/16W
1-218-457-11	s RES, CHIP METAL	910	5%	1/16W
1-216-821-11	s RES, CHIP METAL	1K	5%	1/16W
1-218-270-11	s RES, CHIP METAL	1.1K	5%	1/16W
1-216-822-11	s RES, CHIP METAL	1.2K	5%	1/16W
1-216-823-11	s RES, CHIP METAL	1.5K	5%	1/16W
1-216-824-11	s RES, CHIP METAL	1.8K	5%	1/16W
1-218-271-11	s RES, CHIP METAL	2K	5%	1/16W
1-216-825-11	s RES, CHIP METAL	2.2K	5%	1/16W
1-216-826-11	s RES, CHIP METAL	2.7K	5%	1/16W
1-216-865-11	s RES, CHIP METAL	3K	5%	1/16W
1-216-827-11	s RES, CHIP METAL	3.3K	5%	1/16W
1-216-828-11	s RES, CHIP METAL	3.9K	5%	1/16W
1-216-829-11	s RES, CHIP METAL	4.7K	5%	1/16W
1-218-272-11	s RES, CHIP METAL	5.1K	5%	1/16W
1-216-830-11	s RES, CHIP METAL	5.6K	5%	1/16W
1-218-290-11	s RES, CHIP METAL	6.2K	5%	1/16W

## RESISTOR, CHIP METAL

Part No. SP Description

1-216-831-11	s RES, CHIP METAL	6.8K	5%	1/16W
1-218-344-11	s RES, CHIP METAL	7.5K	5%	1/16W
1-216-832-11	s RES, CHIP METAL	8.2K	5%	1/16W
1-218-345-11	s RES, CHIP METAL	9.1K	5%	1/16W
1-216-833-11	s RES, CHIP METAL	10K	5%	1/16W
1-218-330-11	s RES, CHIP METAL	11K	5%	1/16W
1-216-834-11	s RES, CHIP METAL	12K	5%	1/16W
1-216-994-11	s RES, CHIP METAL	13K	5%	1/16W
1-216-835-11	s RES, CHIP METAL	15K	5%	1/16W
1-218-291-11	s RES, CHIP METAL	16K	5%	1/16W
1-216-836-11	s RES, CHIP METAL	18K	5%	1/16W
1-218-292-11	s RES, CHIP METAL	20K	5%	1/16W
1-216-837-11	s RES, CHIP METAL	22K	5%	1/16W
1-218-293-11	s RES, CHIP METAL	24K	5%	1/16W
1-216-838-11	s RES, CHIP METAL	27K	5%	1/16W
1-218-294-11	s RES, CHIP METAL	30K	5%	1/16W
1-216-839-11	s RES, CHIP METAL	33K	5%	1/16W
1-216-840-11	s RES, CHIP METAL	39K	5%	1/16W
1-218-295-11	s RES, CHIP METAL	43K	5%	1/16W
1-216-841-11	s RES, CHIP METAL	47K	5%	1/16W
1-218-331-11	s RES, CHIP METAL	51K	5%	1/16W
1-216-842-11	s RES, CHIP METAL	56K	5%	1/16W
1-216-843-11	s RES, CHIP METAL	68K	5%	1/16W
1-218-296-11	s RES, CHIP METAL	75K	5%	1/16W
1-216-844-11	s RES, CHIP METAL	82K	5%	1/16W
1-218-347-11	s RES, CHIP METAL	91K	5%	1/16W
1-216-845-11	s RES, CHIP METAL	100K	5%	1/16W
1-218-348-11	s RES, CHIP METAL	110K	5%	1/16W
1-216-846-11	s RES, CHIP METAL	120K	5%	1/16W
1-218-332-11	s RES, CHIP METAL	130K	5%	1/16W
1-216-847-11	s RES, CHIP METAL	150K	5%	1/16W
1-216-848-11	s RES, CHIP METAL	180K	5%	1/16W
1-216-849-11	s RES, CHIP METAL	220K	5%	1/16W
1-218-349-11	s RES, CHIP METAL	240K	5%	1/16W
1-216-850-11	s RES, CHIP METAL	270K	5%	1/16W
1-216-851-11	s RES, CHIP METAL	330K	5%	1/16W
1-216-852-11	s RES, CHIP METAL	390K	5%	1/16W
1-218-448-11	s RES, CHIP METAL	430K	5%	1/16W
1-216-853-11	s RES, CHIP METAL	470K	5%	1/16W
1-216-854-11	s RES, CHIP METAL	560K	5%	1/16W
1-216-855-11	s RES, CHIP METAL	680K	5%	1/16W
1-216-856-11	s RES, CHIP METAL	820K	5%	1/16W
1-216-857-11	s RES, CHIP METAL	1M	5%	1/16W
1-216-858-11	s RES, CHIP METAL	1.2M	5%	1/16W
1-216-859-11	s RES, CHIP METAL	1.5M	5%	1/16W
1-216-860-11	s RES, CHIP METAL	1.8M	5%	1/16W
1-216-861-11	s RES, CHIP METAL	2.2M	5%	1/16W
1-216-862-11	s RES, CHIP METAL	2.7M	5%	1/16W
1-216-863-11	s RES, CHIP METAL	3.3M	5%	1/16W

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AT-70 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-264-A	o MOUNTED CIRCUIT BOARD, AT-70
2pcs	7-627-554-27	s SCREW, PRECISION +P 2X6 TYPE1
C1	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C4	1-124-778-00	s ELECT 22uF 20% 6.3V
C5	1-124-778-00	s ELECT 22uF 20% 6.3V
C6	1-124-778-00	s ELECT 22uF 20% 6.3V
C7	1-164-156-11	s CERAMIC 0.1uF 25V
C8	1-124-779-00	s ELECT 10uF 20% 16V
C9	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C10	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C11	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C12	1-164-156-11	s CERAMIC 0.1uF 25V
C13	1-126-204-11	s ELECT 47uF 20% 16V
C14	1-124-778-00	s ELECT 22uF 20% 6.3V
C16	1-126-204-11	s ELECT 47uF 20% 16V
C18	1-126-206-11	s ELECT 100uF 20% 6.3V
C19	1-162-957-11	s CERAMIC 220PF 5% 50V
C20	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C22	1-124-778-00	s ELECT 22uF 20% 6.3V
C30	1-124-778-00	s ELECT 22uF 20% 6.3V
C31	1-164-156-11	s CERAMIC 0.1uF 25V
C32	1-164-156-11	s CERAMIC 0.1uF 25V
C33	1-164-156-11	s CERAMIC 0.1uF 25V
C34	1-164-156-11	s CERAMIC 0.1uF 25V
C43	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C45	1-162-957-11	s CERAMIC 220PF 5% 50V
C46	1-124-778-00	s ELECT 22uF 20% 6.3V
C47	1-164-156-11	s CERAMIC 0.1uF 25V
C48	1-124-779-00	s ELECT 10uF 20% 16V
C49	1-126-193-11	s ELECT 1uF 20% 50V
C51	1-124-778-00	s ELECT 22uF 20% 6.3V
C52	1-124-778-00	s ELECT 22uF 20% 6.3V
C53	1-126-204-11	s ELECT 47uF 20% 16V
C54	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C55	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C56	1-124-778-00	s ELECT 22uF 20% 6.3V
C57	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C58	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C59	1-164-361-11	s CERAMIC 0.047uF 16V
C60	1-124-778-00	s ELECT 22uF 20% 6.3V
C62	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C63	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C64	1-164-156-11	s CERAMIC 0.1uF 25V
C65	1-164-156-11	s CERAMIC 0.1uF 25V
C66	1-164-361-11	s CERAMIC 0.047uF 16V
C67	1-164-361-11	s CERAMIC 0.047uF 16V
C68	1-126-601-11	s ELECT 2.2uF 20% 50V
C69	1-126-601-11	s ELECT 2.2uF 20% 50V
C70	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C72	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C73	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C74	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C75	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C76	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C77	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C78	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C79	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C80	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(AT-70 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C81	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C82	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C83	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C84	1-128-394-11	s ELECT 220uF 20% 10V
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
D1	8-719-800-76	s DIODE 1SS226
D3	8-719-800-76	s DIODE 1SS226
D4	8-719-800-76	s DIODE 1SS226
D5	8-719-974-76	s DIODE HSM107S
IC1	8-759-300-71	s IC MC14053BF
IC2	8-759-209-97	s IC TC4S81F
IC3	8-759-209-97	s IC TC4S81F
IC4	8-759-209-97	s IC TC4S81F
IC5	8-759-906-53	s IC TL062CPS
IC6	8-759-700-07	s IC NJM2903M
IC8	8-759-209-97	s IC TC4S81F
IC9	8-759-052-65	s IC HD6413308F6
IC10	8-759-112-72	s IC UPD6142G-101
IC11	8-759-052-64	s IC M6M80011AFP
IC12	8-759-906-53	s IC TL062CPS
IC13	8-759-635-27	s IC M62352GP
IC14	8-759-918-65	s IC TL7700CPS
IC15	8-759-295-93	s IC HN27C256-EVW300V1.05
IC19	8-759-209-15	s IC TC4SU69F
IC20	8-759-209-15	s IC TC4SU69F
IC21	8-759-209-15	s IC TC4SU69F
IC22	8-759-209-90	s IC TC4S71F
IC23	8-759-209-90	s IC TC4S71F
IC25	8-759-948-48	s IC RH5RA50A
IC26	8-759-209-97	s IC TC4S81F
IC27	8-759-071-41	s IC CXD8154BM
IC28	8-759-242-64	s IC TC4W53F
IC29	8-759-242-64	s IC TC4W53F
IC30	8-759-242-64	s IC TC4W53F
IC31	8-759-009-06	s IC MC14052BF
L1	1-410-387-11	s INDUCTOR CHIP 33uH
L2	1-410-387-11	s INDUCTOR CHIP 33uH
L3	1-410-387-11	s INDUCTOR CHIP 33uH
L4	1-410-387-11	s INDUCTOR CHIP 33uH
L5	1-410-387-11	s INDUCTOR CHIP 33uH
L6	1-410-389-31	s INDUCTOR CHIP 47uH
Q1	8-729-905-23	s TRANSISTOR 2SA1576R
Q2	8-729-905-23	s TRANSISTOR 2SA1576R
Q3	8-729-905-23	s TRANSISTOR 2SA1576R
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-905-23	s TRANSISTOR 2SA1576R
Q11	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q12	8-729-142-90	s TRANSISTOR 2SK853-K5
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q16	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

Please see page D-29 for the part numbers of resistors that are not the parts list.



## (AT-70 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q17	8-729-117-72	s TRANSISTOR 2SC4178
Q18	8-729-905-23	s TRANSISTOR 2SA1576R
Q20	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q23	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q24	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q25	8-729-905-23	s TRANSISTOR 2SA1576R
Q26	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q27	8-729-905-23	s TRANSISTOR 2SA1576R
Q29	8-729-117-72	s TRANSISTOR 2SC4178
R7	1-218-724-11	s METAL 22K 0.50% 1/16W
R30	1-218-724-11	s METAL 22K 0.50% 1/16W
R33	1-218-724-11	s METAL 22K 0.50% 1/16W
R53	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R61	1-218-724-11	s METAL 22K 0.50% 1/16W
R62	1-218-716-11	s METAL 10K 0.50% 1/16W
R71	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R74	1-218-724-11	s METAL 22K 0.50% 1/16W
R81	1-218-716-11	s METAL 10K 0.50% 1/16W
R82	1-218-716-11	s METAL 10K 0.50% 1/16W
R83	1-218-716-11	s METAL 10K 0.50% 1/16W
R84	1-218-716-11	s METAL 10K 0.50% 1/16W
R85	1-218-716-11	s METAL 10K 0.50% 1/16W
R88	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R89	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R90	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R91	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R92	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R93	1-218-724-11	s METAL 22K 0.50% 1/16W
R104	1-218-716-11	s METAL 10K 0.50% 1/16W
S1	1-571-275-31	s SWITCH, SLIDE
S2	1-571-275-31	s SWITCH, SLIDE
S3	1-571-275-31	s SWITCH, SLIDE
S4	1-571-275-31	s SWITCH, SLIDE
X1	1-579-728-11	s VIBRATOR, CRYSTAL 12.0MHz

## AU-162/162P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-255-A	o MOUNTED CIRCUIT BOARD, AU-162 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-340-A	o MOUNTED CIRCUIT BOARD, AU-162P [for EVW-300P(EK)]
C1	1-164-357-11	s CERAMIC 1000PF 5% 50V
C2	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C3	1-164-357-11	s CERAMIC 1000PF 5% 50V
C4	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C7	1-126-206-11	s ELECT 100uF 20% 6.3V
C8	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C9	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C10	1-162-587-11	s CERAMIC 0.039uF 10% 25V
C11	1-162-957-11	s CERAMIC 220PF 5% 50V
C12	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C13	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C14	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C15	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C16	1-164-174-11	s CERAMIC 0.0082uF 10% 25V
C17	1-164-471-11	s CERAMIC 680PF 5% 50V
C18	1-164-361-11	s CERAMIC 0.047uF 16V
C19	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C20	1-135-179-21	s TANTAL 2.2uF 10% 16V
C21	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C22	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C23	1-126-206-11	s ELECT 100uF 20% 6.3V
C24	1-126-206-11	s ELECT 100uF 20% 6.3V
C25	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C26	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C27	1-162-957-11	s CERAMIC 220PF 5% 50V
C28	1-162-587-11	s CERAMIC 0.039uF 10% 25V
C29	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C30	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C31	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C32	1-135-179-21	s TANTAL 2.2uF 10% 16V
C33	1-164-174-11	s CERAMIC 0.0082uF 10% 25V
C34	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C35	1-164-471-11	s CERAMIC 680PF 5% 50V
C36	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C37	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C38	1-162-977-11	s CERAMIC 0.0018uF 10% 50V
C39	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C40	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C41	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C42	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C43	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-109-814-11	s CAP 220PF
C45	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C46	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C47	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C48	1-162-977-11	s CERAMIC 0.0018uF 10% 50V
C49	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C50	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C51	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C52	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C53	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C54	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C55	1-164-361-11	s CERAMIC 0.047uF 16V
C56	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C57	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (AU-162/162P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C58	1-126-206-11	s ELECT 100uF 20% 6.3V
C59	1-126-206-11	s ELECT 100uF 20% 6.3V
C60	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C70	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C71	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C101	1-164-361-11	s CERAMIC 0.047uF 16V
C102	1-164-361-11	s CERAMIC 0.047uF 16V
C103	1-164-361-11	s CERAMIC 0.047uF 16V
C104	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C116	1-162-965-11	s CERAMIC 0.0015uF 10% 50V
C119	1-164-361-11	s CERAMIC 0.047uF 16V
C120	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C121	1-164-361-11	s CERAMIC 0.047uF 16V
C123	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C124	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C124	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)]
C125	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C125	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C126	1-164-361-11	s CERAMIC 0.047uF 16V
C127	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C128	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C129	1-164-361-11	s CERAMIC 0.047uF 16V
C131	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C132	1-164-361-11	s CERAMIC 0.047uF 16V
C133	1-162-962-11	s CERAMIC 470PF 10% 50V
C134	1-164-361-11	s CERAMIC 0.047uF 16V
C135	1-164-361-11	s CERAMIC 0.047uF 16V
C136	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C137	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C138	1-126-206-11	s ELECT 100uF 20% 6.3V
C139	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C140	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300P(EK)]
C141	1-164-361-11	s CERAMIC 0.047uF 16V
C142	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C145	1-164-361-11	s CERAMIC 0.047uF 16V
C146	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C147	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C148	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C150	1-164-361-11	s CERAMIC 0.047uF 16V
C151	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C152	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C201	1-135-179-21	s TANTAL 2.2uF 10% 16V
C202	1-135-179-21	s TANTAL 2.2uF 10% 16V
C216	1-162-913-11	s CERAMIC 8PF 0.5PF 50V
C219	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C221	1-164-361-11	s CERAMIC 0.047uF 16V
C222	1-164-361-11	s CERAMIC 0.047uF 16V
C223	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C224	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C225	1-164-361-11	s CERAMIC 0.047uF 16V
C226	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C227	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C228	1-164-357-11	s CERAMIC 1000PF 5% 50V
C303	1-126-206-11	s ELECT 100uF 20% 6.3V
C304	1-164-361-11	s CERAMIC 0.047uF 16V

## (AU-162/162P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C305	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C306	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C307	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C308	1-164-361-11	s CERAMIC 0.047uF 16V
C309	1-164-361-11	s CERAMIC 0.047uF 16V
C310	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C311	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C321	1-124-779-00	s ELECT 10uF 20% 16V
C322	1-164-346-11	s CERAMIC 1uF 16V
C323	1-164-346-11	s CERAMIC 1uF 16V
CN1	1-568-801-11	s CONNECTOR, FPC (ZIF) 24P
CN2	1-568-801-11	s CONNECTOR, FPC (ZIF) 24P
CN3	1-564-004-11	o PIN, CONNECTOR 5P
CV201	1-141-423-61	s CAP, TRIMMER
D1	8-719-820-05	s DIODE 1SS181
D2	8-719-820-05	s DIODE 1SS181
D3	8-719-820-05	s DIODE 1SS181
D4	8-719-820-05	s DIODE 1SS181
D101	8-719-404-35	s DIODE MA141WK
D102	8-719-404-35	s DIODE MA141WK
D103	8-719-820-05	s DIODE 1SS181
D105	8-719-820-05	s DIODE 1SS181
D201	8-719-404-35	s DIODE MA141WK
D202	8-713-300-88	s DIODE 1733C-01
FL1	1-235-900-11	s FILTER, LOW PASS
FL2	1-235-900-11	s FILTER, LOW PASS
IC1	8-759-603-27	s IC M5201FP
IC2	8-759-603-27	s IC M5201FP
IC3	8-752-009-90	s IC CX20099
IC4	8-759-100-96	s IC UPC4558G2
IC5	8-759-100-96	s IC UPC4558G2
IC6	8-752-322-57	s IC CXD1077M
IC7	8-759-100-96	s IC UPC4558G2
IC8	8-759-929-26	s IC TL431CPS
IC101	8-759-972-13	s IC CF77309FR
IC102	8-752-324-45	s IC CXD1066Q-Z
IC104	8-759-336-84	s IC 1C3564SM-10
IC107	8-752-010-20	s IC CX20102
IC108	8-759-149-77	s IC UPD75106GF-734-3BE
IC109	8-759-300-71	s IC MC14053BF
IC202	8-752-332-46	s IC CXD1208Q
IC301	8-759-054-79	s IC CF77499PG
IC302	8-752-835-85	s IC CXP5078H-619Q
IC303	8-759-948-48	s IC RH5RA50A
L1	1-410-658-31	s INDUCTOR CHIP 220uH
L101	1-410-393-11	s INDUCTOR CHIP 100uH
L102	1-410-393-11	s INDUCTOR CHIP 100uH
L104	1-410-393-11	s INDUCTOR CHIP 100uH
L107	1-410-658-31	s INDUCTOR CHIP 220uH
L109	1-410-393-11	s INDUCTOR CHIP 100uH
L110	1-410-393-11	s INDUCTOR CHIP 100uH
L111	1-410-393-11	s INDUCTOR CHIP 100uH
L203	1-410-393-11	s INDUCTOR CHIP 100uH
L204	1-410-381-11	s INDUCTOR CHIP 10uH
L301	1-410-393-11	s INDUCTOR CHIP 100uH
L302	1-410-393-11	s INDUCTOR CHIP 100uH

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (AU-162/162P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q1	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q2	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q3	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q4	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q5	8-729-905-12 s	TRANSISTOR DTA144EU
Q6	8-729-905-12 s	TRANSISTOR DTA144EU
Q7	8-729-905-12 s	TRANSISTOR DTA144EU
Q8	8-729-905-23 s	TRANSISTOR 2SA1576R
Q9	8-729-905-23 s	TRANSISTOR 2SA1576R
Q10	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q11	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q101	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q103	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q104	8-729-907-00 s	TRANSISTOR DTC114EU [for EVW-300P(EK)]
Q105	8-729-905-12 s	TRANSISTOR DTA144EU
Q106	8-729-905-18 s	TRANSISTOR DTC144EU
Q107	8-729-905-12 s	TRANSISTOR DTA144EU
Q110	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q112	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q113	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q115	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q116	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
R23	1-218-873-11 s	METAL, CHIP 12K 0.50% 1/16W
R35	1-218-873-11 s	METAL, CHIP 12K 0.50% 1/16W
R41	1-218-721-11 s	METAL 16K 0.50% 1/16W
R43	1-218-870-11 s	METAL, CHIP 9.1K 0.50% 1/16W
R44	1-218-858-11 s	METAL CHIP 3K 0.50% 1/16W
R45	1-218-856-11 s	CHIP, METAL 2.4K 0.50% 1/16W
R46	1-218-858-11 s	METAL CHIP 3K 0.50% 1/16W
R47	1-218-856-11 s	CHIP, METAL 2.4K 0.50% 1/16W
R48	1-218-870-11 s	METAL, CHIP 9.1K 0.50% 1/16W
R50	1-218-721-11 s	METAL 16K 0.50% 1/16W
R60	1-218-902-11 s	CHIP, METAL 200K 0.50% 1/16W
R62	1-218-702-11 s	METAL, CHIP 2.7K 0.50% 1/16W
R63	1-218-694-11 s	METAL, CHIP 1.2K 0.50% 1/16W
R74	1-218-725-11 s	METAL 24K 0.50% 1/16W
R76	1-218-721-11 s	METAL 16K 0.50% 1/16W
R77	1-218-721-11 s	METAL 16K 0.50% 1/16W
R78	1-218-881-11 s	METAL CHIP 27K 0.50% 1/16W
R79	1-218-725-11 s	METAL 24K 0.50% 1/16W
R82	1-211-990-11 s	METAL CHIP 75 0.50% 1/16W
R83	1-218-881-11 s	METAL CHIP 27K 0.50% 1/16W
R90	1-218-750-11 s	METAL 270K 0.50% 1/16W
R123	1-218-717-11 s	METAL 11K 0.50% 1/16W
R169	1-218-688-11 s	METAL 680 0.50% 1/16W
R170	1-218-714-11 s	METAL 8.2K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R170	1-218-702-11 s	METAL, CHIP 2.7K 0.50% 1/16W [for EVW-300P(EK)]
R171	1-218-866-11 s	METAL CHIP 6.2K 0.50% 1/16W
RV1	1-238-090-11 s	RES, ADJ, 10K
RV2	1-238-090-11 s	RES, ADJ, 10K
RV3	1-238-088-11 s	RES, ADJ, 2.2K
RV4	1-238-091-11 s	RES, ADJ METAL 22K
RV5	1-238-088-11 s	RES, ADJ, 2.2K
RV6	1-238-095-11 s	RES, ADJ METAL 470K
RV7	1-238-091-11 s	RES, ADJ METAL 22K

## (AU-162/162P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV8	1-238-088-11 s	RES, ADJ, 2.2K
RV102	1-238-088-11 s	RES, ADJ, 2.2K
RV103	1-238-086-11 s	RES, ADJ METAL 470
X102	1-567-519-11 s	CRYSTAL 4.194304MHz
X301	1-567-346-11 s	OSCILLATOR, CERAMIC 0.5MHz

## CP-184 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-127-11 o	PRINTED CIRCUIT BOARD, CP-184
C1	1-162-306-11 s	CERAMIC 0.01uF 20% 16V
CN1	1-506-473-11 o	CONNECTOR, 8P, MALE
CN2	1-569-556-11 s	JACK

## CP-188 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-128-12o	PRINTED CIRCUIT BOARD, CP-188
1pc	1-643-585-11 o	PRINTED CIRCUIT BOARD, CP-221
1pc	7-621-772-18 s	SCREW +B 2X4
1pc	3-175-622-01 o	BRACKET, JACK
C1	1-162-600-11 s	CERAMIC 0.0047uF 20% 16V
C2	1-162-600-11 s	CERAMIC 0.0047uF 20% 16V
C3	1-162-306-11 s	CERAMIC 0.01uF 20% 16V
C4	1-162-306-11 s	CERAMIC 0.01uF 20% 16V
CN1	1-506-486-11 s	CONNECTOR, 7P, MALE
CN2	1-507-980-21 s	JACK
CN3	1-507-980-21 s	JACK
D1	8-719-902-27 s	LED EBR3402S, RED

Please see page D-29 for the part numbers of resistors that are not the parts list.

CP-189 BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	1-642-129-12o	PRINTED CIRCUIT BOARD, CP-189
lpc	1-509-891-00 s	CONNECTOR, BNC, FEMALE
lpc	3-175-625-01 o	SUPPORT, CONNECTOR
lpc	7-621-772-08 s	SCREW +B 2X3
lpc	7-623-305-07 s	LW 2, TYPE (A)
lpc	7-685-145-21 s	SCREW +P 3X6 TYPE2 SLIT
CN1	1-564-014-11 s	CONNECTOR 4P, MALE
CN2	1-573-590-13 s	CONNECTOR, (S) TERMINAL 4P

CR-43/43P BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	A-8271-253-A o	MOUNTED CIRCUIT BOARD, CR-43 [for EVW-300(J), EVW-300(UC)]
lpc	A-8271-339-A o	MOUNTED CIRCUIT BOARD, CR-43P [for EVW-300P(EK)]
C100	1-135-163-21 s	TANTAL 47uF 10% 4V
C101	1-162-924-11 s	CERAMIC 56PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C101	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for EVW-300P(EK)]
C102	1-163-125-00 s	CERAMIC, CHIP 220PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C102	1-163-127-00 s	CERAMIC, CHIP 270PF 5% 50V [for EVW-300P(EK)]
C103	1-164-392-11 s	CERAMIC 390PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C103	1-164-315-11 s	CERAMIC 470PF 5% 50V [for EVW-300P(EK)]
C104	1-164-217-11 s	CERAMIC 150PF 5% 50V
C105	1-164-360-11 s	CERAMIC 0.1uF 16V
C106	1-164-361-11 s	CERAMIC 0.047uF 16V
C107	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C108	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C109	1-164-218-11 s	CERAMIC 180PF 5% 50V
C110	1-164-360-11 s	CERAMIC 0.1uF 16V
C111	1-135-202-21 s	TANTALUM, CHIP 22uF 20% 4V
C112	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C113	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C114	1-164-361-11 s	CERAMIC 0.047uF 16V
C115	1-164-360-11 s	CERAMIC 0.1uF 16V
C116	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C116	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)]
C117	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C118	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C119	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C120	1-164-361-11 s	CERAMIC 0.047uF 16V
C121	1-164-315-11 s	CERAMIC 470PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C121	1-164-473-11 s	CERAMIC 820PF 5% 50V [for EVW-300P(EK)]
C122	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C122	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C123	1-164-361-11 s	CERAMIC 0.047uF 16V
C124	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C125	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C126	1-164-360-11 s	CERAMIC 0.1uF 16V
C127	1-164-360-11 s	CERAMIC 0.1uF 16V
C128	1-164-360-11 s	CERAMIC 0.1uF 16V
C129	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C130	1-162-922-11 s	CERAMIC, CHIP 39PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C130	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V [for EVW-300P(EK)]
C131	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C131	1-162-924-11 s	CERAMIC 56PF 5% 50V [for EVW-300P(EK)]
C132	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V [for EVW-300(J), EVW-300(UC)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C132	1-162-924-11	s CERAMIC 56PF 5% 50V [for EVW-300P(EK)]
C133	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C134	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C135	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C136	1-164-361-11	s CERAMIC 0.047uF 16V
C137	1-164-361-11	s CERAMIC 0.047uF 16V
C138	1-164-360-11	s CERAMIC 0.1uF 16V
C139	1-164-361-11	s CERAMIC 0.047uF 16V
C140	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C141	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C142	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C143	1-164-361-11	s CERAMIC 0.047uF 16V
C144	1-135-162-21	s TANTALUM, CHIP 33uF 10% 6.3V
C145	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C146	1-135-162-21	s TANTALUM, CHIP 33uF 10% 6.3V
C148	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C149	1-135-162-21	s TANTALUM, CHIP 33uF 10% 6.3V
C150	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C152	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C153	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C201	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C202	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C203	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C502	1-135-208-11	s TANTAL 1uF 20% 10V [for EVW-300P(EK)]
C503	1-164-357-11	s CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]
C504	1-135-210-11	s TANTALUM 4.7uF 10% 10V [for EVW-300P(EK)]
C505	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C506	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C507	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C508	1-162-924-11	s CERAMIC 56PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C508	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V [for EVW-300P(EK)]
C509	1-164-392-11	s CERAMIC 390PF 5% 50V [for EVW-300P(EK)]
C510	1-164-357-11	s CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]
C511	1-135-179-21	s TANTAL 2.2uF 10% 16V [for EVW-300P(EK)]
C512	1-164-357-11	s CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]
C513	1-164-383-11	s CERAMIC 110PF 5% 50V [for EVW-300P(EK)]
C514	1-162-910-11	s CERAMIC 5PF 0.25PF 50V [for EVW-300P(EK)]
C515	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C516	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C517	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C518	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V [for EVW-300P(EK)]
C519	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C520	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)]

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C521	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C601	1-162-928-11	s CERAMIC 120PF 5% 50V
C602	1-164-382-11	s CERAMIC 91PF 5% 50V
C603	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C604	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C605	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C606	1-162-924-11	s CERAMIC 56PF 5% 50V
C607	1-162-957-11	s CERAMIC 220PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C607	1-164-816-11	s CERAMIC 220PF 2% 50V [for EVW-300P(EK)]
C608	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C609	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C609	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C610	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C611	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C615	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C616	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C617	1-135-176-21	s TANTAL 0.68uF 10% 35V
C618	1-135-208-11	s TANTAL 1uF 20% 10V
C619	1-135-208-11	s TANTAL 1uF 20% 10V
C620	1-162-959-11	s CERAMIC 330PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C620	1-162-969-11	s CERAMIC 0.0068uF 10% 25V [for EVW-300P(EK)]
C621	1-126-205-11	s ELECT 47uF 20% 6.3
C622	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300(J), EVW-300(UC)]
C623	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C624	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C625	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C626	1-126-205-11	s ELECT 47uF 20% 6.3
C627	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C628	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for EVW-300P(EK)]
C630	1-164-217-11	s CERAMIC 150PF 5% 50V
C631	1-164-357-11	s CERAMIC 1000PF 5% 50V
C632	1-164-357-11	s CERAMIC 1000PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C632	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300P(EK)]
C633	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C634	1-162-967-11	s CERAMIC 0.0033uF 10% 50V
C635	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C637	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C640	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C641	1-162-926-11	s CERAMIC, CHIP 82PF 5% 50V
C642	1-164-466-11	s CERAMIC 240PF 5% 50V
C643	1-162-926-11	s CERAMIC, CHIP 82PF 5% 50V
C644	1-164-315-11	s CERAMIC 470PF 5% 50V
C645	1-162-959-11	s CERAMIC 330PF 5% 50V
C646	1-164-217-11	s CERAMIC 150PF 5% 50V
C647	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C648	1-164-357-11	s CERAMIC 1000PF 5% 50V
C649	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C650	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C651	1-162-909-11	s CERAMIC 4PF 0.25PF 50V
C652	1-164-227-11	s CERAMIC 0.022uF 10% 25V

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C653	1-164-363-11	s CERAMIC 560PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C653	1-164-471-11	s CERAMIC 680PF 5% 50V [for EVW-300P(EK)]
C654	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C655	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C656	1-164-357-11	s CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]
C820	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C901	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C902	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C903	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C904	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C905	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C906	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C907	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C908	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C909	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C910	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C911	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C912	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C913	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C914	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C915	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C916	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C917	1-164-227-11	s CERAMIC 0.022uF 10% 25V
CF601	1-567-727-11	s FILTER, CERAMIC [for EVW-300(J), EVW-300(UC)]
CF601	1-577-162-11	s FILTER, CERAMIC
CV101	1-141-423-61	s CAP, TRIMMER
CV102	1-141-370-11	s CAP, CHIP TRIMMER
CV103	1-141-370-11	s CAP, CHIP TRIMMER
D100	8-719-820-05	s DIODE 1SS181
D101	8-719-018-80	s DIODE ND411G-2
D103	8-719-820-05	s DIODE 1SS181
D105	8-719-105-90	s DIODE RD5.6M-B1
D106	8-719-820-05	s DIODE 1SS181
D501	8-719-820-05	s DIODE 1SS181
D601	8-719-404-35	s DIODE MA141WK
D602	8-719-820-05	s DIODE 1SS181
D603	8-719-820-05	s DIODE 1SS181
D806	8-719-820-05	s DIODE 1SS181
D901	8-719-800-76	s DIODE 1SS226
D902	8-719-018-80	s DIODE ND411G-2
D903	8-719-018-80	s DIODE ND411G-2
FL501	1-236-850-21	s FILTER, BANDPASS 4.43MHz [for EVW-300P(EK)]
FL601	1-236-575-11	s B.P.F (PAL-M) [for EVW-300(J), EVW-300(UC)]
FL601	1-236-849-21	s FILTER, BANDPASS 4.43MHz [for EVW-300P(EK)]
FL602	1-236-146-11	s FILTER, BAND PASS [for EVW-300(J), EVW-300(UC)]
FL602	1-236-186-11	s FILTER, BAND PASS [for EVW-300P(EK)]
IC200	8-759-710-86	s IC NJM2233BM [for EVW-300(J), EVW-300(UC)]

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC200	8-759-710-07	s IC NJM2234M
IC501	8-752-060-94	s IC CXA1203N
IC601	8-752-051-40	s IC CXA1208R
IC901	8-759-925-60	s IC BA401
L100	1-410-390-11	s INDUCTOR CHIP 56uH [for EVW-300(J), EVW-300(UC)]
L100	1-410-391-11	s INDUCTOR CHIP 68uH [for EVW-300P(EK)]
L101	1-410-393-11	s INDUCTOR CHIP 100uH [for EVW-300(J), EVW-300(UC)]
L101	1-410-655-31	s INDUCTOR CHIP 120uH [for EVW-300P(EK)]
L102	1-410-393-11	s INDUCTOR CHIP 100uH [for EVW-300(J), EVW-300(UC)]
L102	1-410-392-11	s INDUCTOR, CHIP 82uH [for EVW-300P(EK)]
L103	1-410-385-11	s INDUCTOR, CHIP 22uH [for EVW-300(J), EVW-300(UC)]
L103	1-410-384-31	s INDUCTOR CHIP 18uH [for EVW-300P(EK)]
L104	1-412-062-11	s INDUCTOR CHIP 47uH
L105	1-410-388-31	s INDUCTOR, CHIP 39uH [for EVW-300(J), EVW-300(UC)]
L105	1-410-382-31	s INDUCTOR CHIP 12uH [for EVW-300P(EK)]
L106	1-410-383-31	s INDUCTOR CHIP 15uH
L107	1-410-383-31	s INDUCTOR CHIP 15uH
L111	1-412-062-11	s INDUCTOR CHIP 47uH
L112	1-412-062-11	s INDUCTOR CHIP 47uH
L119	1-410-387-11	s INDUCTOR CHIP 33uH
L501	1-410-385-11	s INDUCTOR, CHIP 22uH [for EVW-300(J), EVW-300(UC)]
L501	1-410-386-11	s INDUCTOR CHIP 27uH [for EVW-300P(EK)]
L601	1-410-381-11	s INDUCTOR CHIP 10uH
L602	1-410-655-31	s INDUCTOR CHIP 120uH
L603	1-410-393-11	s INDUCTOR CHIP 100uH
L604	1-410-655-31	s INDUCTOR CHIP 120uH
L605	1-410-391-11	s INDUCTOR CHIP 68uH [for EVW-300(J), EVW-300(UC)]
L605	1-410-393-11	s INDUCTOR CHIP 100uH [for EVW-300P(EK)]
L606	1-410-392-11	s INDUCTOR, CHIP 82uH
L607	1-410-381-11	s INDUCTOR CHIP 10uH
L608	1-410-391-11	s INDUCTOR CHIP 68uH
L609	1-410-386-11	s INDUCTOR CHIP 27uH
L610	1-410-389-31	s INDUCTOR CHIP 47uH
L611	1-410-390-11	s INDUCTOR CHIP 56uH [for EVW-300P(EK)]
L901	1-410-381-11	s INDUCTOR CHIP 10uH
L902	1-410-656-11	s INDUCTOR CHIP 150uH
L903	1-412-282-41	s INDUCTOR 470uH
L904	1-412-282-41	s INDUCTOR 470uH
Q100	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q101	8-729-905-23	s TRANSISTOR 2SA1576R
Q102	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q103	8-729-903-10	s TRANSISTOR FMW1
Q104	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q105	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q106	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q107	8-729-902-96	s TRANSISTOR FMS1

Please see page D-29 for the part numbers of resistors that are not the parts list.



## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q108	8-729-903-10	s TRANSISTOR FMW1
Q109	8-729-902-96	s TRANSISTOR FMS1
Q110	8-729-903-10	s TRANSISTOR FMW1
Q111	8-729-905-23	s TRANSISTOR 2SA1576R
Q112	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q113	8-729-903-10	s TRANSISTOR FMW1
Q114	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q115	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q116	8-729-905-23	s TRANSISTOR 2SA1576R
Q117	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q118	8-729-905-23	s TRANSISTOR 2SA1576R
Q119	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q120	8-729-905-23	s TRANSISTOR 2SA1576R
Q121	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q122	8-729-905-23	s TRANSISTOR 2SA1576R
Q123	8-729-905-23	s TRANSISTOR 2SA1576R
Q124	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q125	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q126	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q127	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q128	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q129	8-729-905-18	s TRANSISTOR DTC144EU
Q130	8-729-905-18	s TRANSISTOR DTC144EU
Q131	8-729-905-18	s TRANSISTOR DTC144EU
Q132	8-729-141-75	s TRANSISTOR 2SD596DV345
Q134	8-729-907-26	s TRANSISTOR IMX1
Q135	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q136	8-729-907-26	s TRANSISTOR IMX1
Q137	8-729-907-26	s TRANSISTOR IMX1
Q138	8-729-907-26	s TRANSISTOR IMX1
Q139	8-729-907-26	s TRANSISTOR IMX1
Q140	8-729-905-23	s TRANSISTOR 2SA1576R
Q141	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q200	8-729-905-18	s TRANSISTOR DTC144EU
Q501	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q502	8-729-905-12	s TRANSISTOR DTA144EU [for EVW-300P(EK)]
Q503	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q504	8-729-120-28	s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q505	8-729-120-28	s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q506	8-729-120-28	s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q601	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q603	8-729-905-18	s TRANSISTOR DTC144EU
Q604	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300(J), EVW-300(UC)]
Q604	8-729-120-28	s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q605	8-729-905-12	s TRANSISTOR DTA144EU
Q606	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q607	8-729-120-28	s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q608	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q609	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q610	8-729-905-18	s TRANSISTOR DTC144EU
Q611	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q612	8-729-905-23	s TRANSISTOR 2SA1576R
Q613	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q614	8-729-905-23	s TRANSISTOR 2SA1576R
Q615	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q616	8-729-905-23	s TRANSISTOR 2SA1576R
Q617	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q618	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q619	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q620	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q621	8-729-905-18	s TRANSISTOR DTC144EU
Q622	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q823	8-729-905-18	s TRANSISTOR DTC144EU
Q824	8-729-905-18	s TRANSISTOR DTC144EU
Q825	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q826	8-729-905-12	s TRANSISTOR DTA144EU
Q827	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q828	8-729-905-18	s TRANSISTOR DTC144EU
Q829	8-729-905-18	s TRANSISTOR DTC144EU
Q901	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q902	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q903	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q904	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q905	8-729-905-12	s TRANSISTOR DTA144EU
Q906	8-729-905-18	s TRANSISTOR DTC144EU
Q907	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q908	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q909	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q910	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q911	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R103	1-218-841-11	s METAL CHIP 560 0.50% 1/16W
R105	1-218-688-11	s METAL 680 0.50% 1/16W
R106	1-218-688-11	s METAL 680 0.50% 1/16W
R107	1-218-684-11	s METAL 470 0.50% 1/16W
R108	1-218-692-11	s METAL 1K 0.50% 1/16W
R109	1-218-829-11	s METAL CHIP 180 0.50% 1/16W
R110	1-218-688-11	s METAL 680 0.50% 1/16W
R111	1-218-680-11	s METAL 330 0.50% 1/16W
R112	1-218-688-11	s METAL 680 0.50% 1/16W
R113	1-218-692-11	s METAL 1K 0.50% 1/16W
R116	1-218-716-11	s METAL 10K 0.50% 1/16W
R121	1-218-829-11	s METAL CHIP 180 0.50% 1/16W
R122	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R131	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R134	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R138	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R139	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R140	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R141	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R142	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R143	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R146	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R147	1-211-991-11	s CHIP, METAL 82 0.50% 1/16W
R149	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R150	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R151	1-218-829-11	s METAL CHIP 180 0.50% 1/16W
R153	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R156	1-218-866-11	s METAL CHIP 6.2K 0.50% 1/16W
R159	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R161	1-218-692-11	s METAL 1K 0.50% 1/16W

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R162	1-218-692-11	s METAL 1K 0.50% 1/16W
R163	1-218-833-11	s METAL CHIP 270 0.50% 1/16W
R164	1-218-692-11	s METAL 1K 0.50% 1/16W
R165	1-218-692-11	s METAL 1K 0.50% 1/16W
R166	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R167	1-218-716-11	s METAL 10K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R167	1-218-883-11	s METAL 33K 0.50% 1/16W [for EVW-300P(EK)]
R174	1-218-684-11	s METAL 470 0.50% 1/16W
R175	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R175	1-218-829-11	s METAL CHIP 180 0.50% 1/16W [for EVW-300P(EK)]
R179	1-218-684-11	s METAL 470 0.50% 1/16W
R180	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R180	1-218-836-11	s METAL CHIP 360 0.50% 1/16W [for EVW-300P(EK)]
R184	1-218-684-11	s METAL 470 0.50% 1/16W
R185	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R185	1-218-836-11	s METAL CHIP 360 0.50% 1/16W [for EVW-300P(EK)]
R190	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R191	1-218-698-11	s METAL 1.8K 0.50% 1/16W
R194	1-218-680-11	s METAL 330 0.50% 1/16W
R195	1-218-692-11	s METAL 1K 0.50% 1/16W
R196	1-218-692-11	s METAL 1K 0.50% 1/16W
R197	1-218-837-11	s METAL CHIP 390 0.50% 1/16W
R201	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300P(EK)]
R202	1-218-841-11	s METAL CHIP 560 0.50% 1/16W [for EVW-300P(EK)]
R508	1-218-740-11	s METAL 100K 0.50% 1/16W [for EVW-300P(EK)]
R617	1-218-716-11	s METAL 10K 0.50% 1/16W
R618	1-218-710-11	s METAL 5.6K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R618	1-218-708-11	s METAL 4.7K 0.50% 1/16W [for EVW-300P(EK)]
R621	1-218-716-11	s METAL 10K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R621	1-218-864-11	s METAL CHIP 5.1K 0.50% 1/16W [for EVW-300P(EK)]
R623	1-218-740-11	s METAL 100K 0.50% 1/16W
R652	1-218-684-11	s METAL 470 0.50% 1/16W
R653	1-218-684-11	s METAL 470 0.50% 1/16W
R654	1-218-698-11	s METAL 1.8K 0.50% 1/16W
R655	1-218-679-91	s METAL 300 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R655	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300P(EK)]
R679	1-218-684-11	s METAL 470 0.50% 1/16W
R681	1-218-684-11	s METAL 470 0.50% 1/16W
R682	1-218-829-11	s METAL CHIP 180 0.50% 1/16W [for EVW-300P(EK)]
R916	1-218-694-11	s METAL, CHIP 1.2K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R919	1-218-684-11	s METAL 470 0.50% 1/16W
RV502	1-238-090-11	s RES, ADJ, 10K

## (CR-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV503	1-238-087-11	s RES, ADJ, 1K
RV601	1-238-089-11	s RES, ADJ, 4.7K
RV602	1-238-087-11	s RES, ADJ, 1K
RV800	1-238-086-11	s RES, ADJ METAL 470
RV801	1-238-086-11	s RES, ADJ METAL 470
RV802	1-238-086-11	s RES, ADJ METAL 470
RV901	1-238-088-11	s RES, ADJ, 2.2K
RV902	1-238-088-11	s RES, ADJ, 2.2K
X601	1-577-080-11	s VIBRATOR, CRYSTAL 3.579545MHZ [for EVW-300(J), EVW-300(UC)]
X601	1-577-117-21	s VIBRATOR, CRYSTAL 4.433619MHZ [for EVW-300P(EK)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

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ES-4/4P BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-266-A	o MOUNTED CIRCUIT BOARD, ES-4 [for EVW-300(J)]
1pc	A-8271-263-A	o MOUNTED CIRCUIT BOARD, ES-4 [for EVW-300(UC)]
1pc	A-8271-345-A	o MOUNTED CIRCUIT BOARD, ES-4P [for EVW-300P(EK)]
2pcs	7-627-554-27	s SCREW, PRECITION +P 2X6 TYPE1
C1	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C2	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C4	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C5	1-135-091-91	s CHIP, TANTALUM 1uF 20% 16V
C6	1-135-091-91	s CHIP, TANTALUM 1uF 20% 16V
C7	1-135-091-91	s CHIP, TANTALUM 1uF 20% 16V
C8	1-135-091-91	s CHIP, TANTALUM 1uF 20% 16V
C10	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C11	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C13	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C14	1-128-065-11	s ELECT 68uF 20% 10V
C15	1-164-156-11	s CERAMIC 0.1uF 25V
C17	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C18	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C19	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C20	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C21	1-124-779-00	s ELECT 10uF 20% 16V
C22	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C23	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C24	1-164-156-11	s CERAMIC 0.1uF 25V
C25	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C26	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C27	1-164-156-11	s CERAMIC 0.1uF 25V
C28	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C29	1-162-962-11	s CERAMIC 470PF 10% 50V
C30	1-135-155-21	s TANTALUM, CHIP 4.7uF 10% 16V
C31	1-135-155-21	s TANTALUM, CHIP 4.7uF 10% 16V
C32	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C33	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C34	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C35	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C36	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C36	1-164-155-11	s CERAMIC 75PF 5% 50V [for EVW-300P(EK)]
C37	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C37	1-164-155-11	s CERAMIC 75PF 5% 50V [for EVW-300P(EK)]
C38	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C39	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C40	1-124-779-00	s ELECT 10uF 20% 16V [for EVW-300P(EK)]
C42	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C43	1-124-779-00	s ELECT 10uF 20% 16V
C44	1-124-779-00	s ELECT 10uF 20% 16V
C46	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C47	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C49	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C50	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C51	1-162-910-11	s CERAMIC 5PF 0.25PF 50V
C52	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C53	1-124-779-00	s ELECT 10uF 20% 16V

(ES-4/4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C55	1-126-204-11	s ELECT 47uF 20% 16V
C56	1-124-779-00	s ELECT 10uF 20% 16V
C57	1-124-779-00	s ELECT 10uF 20% 16V
C58	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C59	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C59	1-162-962-11	s CERAMIC 470PF 10% 50V [for EVW-300P(EK)]
C60	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C61	1-164-677-11	s CERAMIC 0.033uF 10% 16V
C62	1-124-778-00	s ELECT 22uF 20% 6.3V
C63	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C64	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C65	1-164-156-11	s CERAMIC 0.1uF 25V
C66	1-164-156-11	s CERAMIC 0.1uF 25V
C67	1-124-779-00	s ELECT 10uF 20% 16V
C68	1-124-779-00	s ELECT 10uF 20% 16V
C69	1-124-779-00	s ELECT 10uF 20% 16V
C70	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C71	1-164-156-11	s CERAMIC 0.1uF 25V
C72	1-164-156-11	s CERAMIC 0.1uF 25V
C73	1-124-779-00	s ELECT 10uF 20% 16V
C74	1-164-156-11	s CERAMIC 0.1uF 25V
C75	1-126-206-11	s ELECT 100uF 20% 6.3V
C76	1-126-206-11	s ELECT 100uF 20% 6.3V
C77	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C78	1-164-156-11	s CERAMIC 0.1uF 25V
C79	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C80	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C81	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C82	1-164-156-11	s CERAMIC 0.1uF 25V
C83	1-164-156-11	s CERAMIC 0.1uF 25V
C84	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C85	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C86	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C87	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C88	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C89	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C90	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C91	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C92	1-164-156-11	s CERAMIC 0.1uF 25V [for EVW-300P(EK)]
C93	1-135-210-11	s TANTALUM 4.7uF 10% 10V [for EVW-300P(EK)]
C94	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V [for EVW-300P(EK)]
C95	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C96	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C97	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C98	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C100	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C102	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V [for EVW-300(J), EVW-300(UC)]
C104	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)]
C108	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C111	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C113	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C114	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for EVW-300(J), EVW-300(UC)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (ES-4/4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C114	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V [for EVW-300P(EK)]
C115	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C116	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C117	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C118	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C119	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C120	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C200	1-124-778-00	s ELECT 22uF 20% 6.3V
C201	1-126-205-11	s ELECT 47uF 20% 6.3
C202	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C203	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C205	1-162-907-11	s CERAMIC, CHIP 2PF 50V
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
CP1	1-577-183-11	s OSCILLATOR, CRYSTAL [for EVW-300P(EK)]
D1	8-719-820-05	s DIODE 1SS181
D2	8-719-800-76	s DIODE 1SS226
D3	8-719-800-76	s DIODE 1SS226
D4	8-719-800-76	s DIODE 1SS226
D5	8-719-800-76	s DIODE 1SS226
DL1	1-415-897-11	s DELAY LINE
DL2	1-415-898-11	s DELAY LINE
DL3	1-415-896-11	s DELAY LINE
FL1	1-239-379-21	s FILTER, BANDPASS [for EVW-300(J), EVW-300(UC)]
FL1	1-239-380-11	s FILTER, BANDPASS [for EVW-300P(EK)]
IC1	8-752-056-59	s IC CXA1592R
IC2	8-759-710-24	s IC NJM319M
IC3	8-759-209-69	s IC TC4S11F
IC4	8-759-300-71	s IC MC14053BF
IC5	8-759-209-97	s IC TC4S81F
IC6	8-759-031-84	s IC SC7S04F
IC7	8-759-209-54	s IC TC4S01F
IC8	8-759-906-59	s IC CX22017
IC9	8-759-031-84	s IC SC7S04F
IC10	8-759-031-84	s IC SC7S04F
IC11	8-759-234-13	s IC TC4S30F
IC12	8-759-239-34	s IC TC74HC4538AF
IC13	8-759-906-53	s IC TL062CPS
IC14	8-759-902-88	s IC SN74LS123NS
IC15	8-759-906-53	s IC TL062CPS
IC16	8-759-300-71	s IC MC14053BF
IC17	8-759-007-64	s IC MC74HC76F
IC18	8-759-987-27	s IC LM1881M
IC19	8-759-702-08	s IC NJM360M
IC20	8-752-335-47	s IC CXD1216M
IC21	8-759-234-77	s IC TC4S66F
IC22	8-752-332-67	s IC CXD1217M
L1	1-410-385-11	s INDUCTOR, CHIP 22uH
L3	1-410-389-31	s INDUCTOR CHIP 47uH
L4	1-412-280-31	s INDUCTOR 330uH
L5	1-412-280-31	s INDUCTOR 330uH
L6	1-410-389-31	s INDUCTOR CHIP 47uH
L7	1-410-389-31	s INDUCTOR CHIP 47uH

## (ES-4/4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L8	1-410-656-11	s INDUCTOR CHIP 150uH [for EVW-300(J), EVW-300(UC)]
L8	1-410-393-11	s INDUCTOR CHIP 100uH [for EVW-300P(EK)]
L9	1-410-389-31	s INDUCTOR CHIP 47uH [for EVW-300P(EK)]
L10	1-410-389-31	s INDUCTOR CHIP 47uH
L11	1-410-385-11	s INDUCTOR, CHIP 22uH
L12	1-410-385-11	s INDUCTOR, CHIP 22uH
L13	1-410-387-11	s INDUCTOR CHIP 33uH
L14	1-410-385-11	s INDUCTOR, CHIP 22uH
L20	1-410-389-31	s INDUCTOR CHIP 47uH
LV1	1-408-844-00	s INDUCTOR, VAR, 22uH
Q1	8-729-117-72	s TRANSISTOR 2SC4178
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-117-72	s TRANSISTOR 2SC4178
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-905-23	s TRANSISTOR 2SA1576R
Q8	8-729-905-23	s TRANSISTOR 2SA1576R
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-905-23	s TRANSISTOR 2SA1576R
Q11	8-729-920-39	s TRANSISTOR 1MT1US
Q12	8-729-920-39	s TRANSISTOR 1MT1US
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q16	8-729-907-26	s TRANSISTOR 1MX1
Q17	8-729-903-10	s TRANSISTOR 1FMW1
Q18	8-729-905-23	s TRANSISTOR 2SA1576R
Q19	8-729-907-26	s TRANSISTOR 1MX1
Q20	8-729-920-39	s TRANSISTOR 1MT1US
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q23	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q24	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q25	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q26	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q30	8-729-905-23	s TRANSISTOR 2SA1576R
Q31	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q32	8-729-905-23	s TRANSISTOR 2SA1576R
Q33	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q34	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q35	8-729-117-72	s TRANSISTOR 2SC4178
Q36	8-729-117-72	s TRANSISTOR 2SC4178
Q100	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q101	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R2	1-218-716-11	s METAL 10K 0.50% 1/16W
R3	1-218-717-11	s METAL 11K 0.50% 1/16W
R4	1-218-695-11	s METAL 1.3K 0.50% 1/16W
R5	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R7	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R16	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R18	1-218-705-11	s METAL 3.6K 0.50% 1/16W
R19	1-218-697-11	s METAL 1.6K 0.50% 1/16W
R20	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R21	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R22	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (ES-4/4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R26	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R27	1-218-672-11	s METAL 150 0.50% 1/16W
R28	1-218-716-11	s METAL 10K 0.50% 1/16W
R29	1-215-437-00	s METAL 4.7K 1% 1/6W
R47	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R48	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R52	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R57	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R66	1-218-833-11	s METAL CHIP 270 0.50% 1/16W
R67	1-218-724-11	s METAL 22K 0.50% 1/16W
R69	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R70	1-218-833-11	s METAL CHIP 270 0.50% 1/16W
R71	1-218-724-11	s METAL 22K 0.50% 1/16W
R72	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R73	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R75	1-218-840-11	s METAL CHIP 510 0.50% 1/16W
R80	1-218-692-11	s METAL 1K 0.50% 1/16W
R83	1-218-692-11	s METAL 1K 0.50% 1/16W
R84	1-218-705-11	s METAL 3.6K 0.50% 1/16W [for EVW-300P(EK)]
R90	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R91	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R92	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R93	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R102	1-211-990-11	s METAL CHIP 75 0.50% 1/16W
R103	1-218-868-11	s METAL CHIP 7.5K 0.50% 1/16W
R104	1-218-856-11	s CHIP, METAL 2.4K 0.50% 1/16W
R105	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R107	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R108	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R109	1-211-977-11	s METAL CHIP 22 0.50% 1/16W
R110	1-218-889-11	s CHIP, METAL 56K 0.50% 1/16W
R111	1-218-736-11	s METAL 68K 0.50% 1/16W
R113	1-211-977-11	s METAL CHIP 22 0.50% 1/16W
R115	1-218-692-11	s METAL 1K 0.50% 1/16W
R117	1-218-883-11	s METAL 33K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R117	1-218-708-11	s METAL 4.7K 0.50% 1/16W [for EVW-300P(EK)]
R121	1-218-716-11	s METAL 10K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R121	1-218-714-11	s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]
R122	1-218-727-11	s METAL 30K 0.50% 1/16W
R123	1-218-723-11	s METAL 20K 0.50% 1/16W
R129	1-218-881-11	s METAL CHIP 27K 0.50% 1/16W
R130	1-218-881-11	s METAL CHIP 27K 0.50% 1/16W
R137	1-211-990-11	s METAL CHIP 75 0.50% 1/16W
R141	1-218-725-11	s METAL 24K 0.50% 1/16W
R145	1-218-840-11	s METAL CHIP 510 0.50% 1/16W
R148	1-218-717-11	s METAL 11K 0.50% 1/16W
R149	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R150	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R151	1-218-692-11	s METAL 1K 0.50% 1/16W
R190	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R191	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R222	1-218-724-11	s METAL 22K 0.50% 1/16W
R223	1-218-883-11	s METAL 33K 0.50% 1/16W
R230	1-218-692-11	s METAL 1K 0.50% 1/16W
R231	1-218-692-11	s METAL 1K 0.50% 1/16W

## (ES-4/4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R307	1-218-883-11	s METAL 33K 0.50% 1/16W
R308	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R309	1-218-700-11	s METAL 2.2K 0.50% 1/16W
RV1	1-238-091-11	s RES, ADJ METAL 22K
RV2	1-238-091-11	s RES, ADJ METAL 22K
RV3	1-238-090-11	s RES, ADJ, 10K
RV4	1-238-091-11	s RES, ADJ METAL 22K
RV5	1-238-090-11	s RES, ADJ, 10K
RV6	1-238-090-11	s RES, ADJ, 10K
RV7	1-238-089-11	s RES, ADJ, 4.7K
RV8	1-238-088-11	s RES, ADJ, 2.2K
RV9	1-238-089-11	s RES, ADJ, 4.7K
RV10	1-238-089-11	s RES, ADJ, 4.7K
RV12	1-238-089-11	s RES, ADJ, 4.7K
RV13	1-238-089-11	s RES, ADJ, 4.7K
RV14	1-238-088-11	s RES, ADJ, 2.2K
RV15	1-238-090-11	s RES, ADJ, 10K
S1	1-572-272-11	s SWITCH, SLIDE

Please see page D-29 for the part numbers of resistors that are not the parts list.

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FP-40/40P BOARD  
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Ref. No.

or Q'ty Part No. SP Description

1pc	A-8271-250-A	o MOUNTED CIRCUIT BOARD, FP-40 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-336-A	o MOUNTED CIRCUIT BOARD, FP-40P [for EVW-300P(EK)]
1pc	3-171-678-01	o HOLDER, LCD
C1	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C2	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C3	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C4	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C5	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C6	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C7	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C14	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C15	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C16	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C17	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C18	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C19	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C25	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C26	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C27	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C28	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C29	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C30	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C31	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C32	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C33	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C101	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C102	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C103	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C151	1-164-357-11	s CERAMIC 1000PF 5% 50V
C152	1-126-162-11	s ELECT 3.3uF 20% 50V
C153	1-126-162-11	s ELECT 3.3uF 20% 50V
C154	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C155	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C171	1-164-357-11	s CERAMIC 1000PF 5% 50V
C172	1-126-162-11	s ELECT 3.3uF 20% 50V
C173	1-126-162-11	s ELECT 3.3uF 20% 50V
C174	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C175	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C221	1-124-584-00	s ELECT 100uF 20% 10V
C222	1-164-361-11	s CERAMIC 0.047uF 16V
C224	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C225	1-162-969-11	s CERAMIC 0.0068uF 10% 25V
C227	1-162-967-11	s CERAMIC 0.0033uF 10% 50V [for EVW-300(J), EVW-300(UC)]
C229	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C230	1-164-361-11	s CERAMIC 0.047uF 16V
C231	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C232	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C234	1-135-179-21	s TANTAL 2.2uF 10% 16V
C237	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C238	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C239	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C240	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C241	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C242	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C243	1-162-957-11	s CERAMIC 220PF 5% 50V
C244	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V

(FP-40/40P BOARD)

Ref. No.

or Q'ty Part No. SP Description

C245	1-162-965-11	s CERAMIC 0.0015uF 10% 50V
C246	1-164-173-11	s CERAMIC 0.0039uF 10% 50V
C247	1-162-957-11	s CERAMIC 220PF 5% 50V
C248	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C249	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C250	1-162-910-11	s CERAMIC 5PF 0.25PF 50V
C251	1-164-315-11	s CERAMIC 470PF 5% 50V
C252	1-162-910-11	s CERAMIC 5PF 0.25PF 50V
C253	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C254	1-162-957-11	s CERAMIC 220PF 5% 50V
C255	1-162-587-11	s CERAMIC 0.039uF 10% 25V
C256	1-162-963-11	s CERAMIC, CHIP 680PF 10% 50V
C257	1-164-174-11	s CERAMIC 0.0082uF 10% 25V
C258	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C259	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C260	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C261	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C262	1-135-179-21	s TANTAL 2.2uF 10% 16V
C263	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C264	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C265	1-164-217-11	s CERAMIC 150PF 5% 50V
C266	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C270	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C271	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C301	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C302	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C303	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C304	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C305	1-124-228-11	s ELECT 22uF 20% 10V
C306	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C307	1-124-228-11	s ELECT 22uF 20% 10V
C309	1-135-179-21	s TANTAL 2.2uF 10% 16V
C311	1-124-566-11	s ELECT 120uF 20% 6.3V
C312	1-164-361-11	s CERAMIC 0.047uF 16V
C313	1-124-584-00	s ELECT 100uF 20% 10V
C314	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C315	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C316	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C317	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C318	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C319	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C320	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C321	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C322	1-126-154-11	s ELECT 47uF 20% 6.3V
C323	1-126-154-11	s ELECT 47uF 20% 6.3V
C324	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C325	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C327	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C331	1-124-566-11	s ELECT 120uF 20% 6.3V
C332	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C501	1-164-361-11	s CERAMIC 0.047uF 16V
C502	1-164-361-11	s CERAMIC 0.047uF 16V
C503	1-126-154-11	s ELECT 47uF 20% 6.3V
C506	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C507	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C508	1-164-361-11	s CERAMIC 0.047uF 16V
C509	1-164-361-11	s CERAMIC 0.047uF 16V
C510	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C511	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V

Please see page D-29 for the part numbers of resistors that are not the parts list.



## (FP-40/40P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C512	1-164-361-11	s CERAMIC 0.047uF 16V
CN1	1-565-209-11	s CONNECTOR, FPC (ZIF) 26P
CN2	1-565-209-11	s CONNECTOR, FPC (ZIF) 26P
CN3	1-564-002-11	s PIN, CONNECTOR 3P
CN4	1-506-468-11	s CONNECTOR, 3P, MALE
CN5	1-564-001-11	o CONNECTOR, 2P, MALE
CN6	1-506-467-11	s CONNECTOR, 2P, MALE
CN7	1-506-468-11	s CONNECTOR, 3P, MALE
CN8	1-506-467-11	s CONNECTOR, 2P, MALE
D1	8-719-800-76	s DIODE 1SS226
D6	8-719-800-76	s DIODE 1SS226
D7	8-719-800-76	s DIODE 1SS226
D151	8-719-800-76	s DIODE 1SS226
D152	8-719-800-76	s DIODE 1SS226
D171	8-719-800-76	s DIODE 1SS226
D172	8-719-800-76	s DIODE 1SS226
D301	8-719-404-35	s DIODE MA141WK
D302	8-719-110-39	s DIODE RD15ESB1
D303	8-719-800-76	s DIODE 1SS226
D304	8-719-110-06	s DIODE RD8.2ES-B1
D306	8-719-911-19	s DIODE 1SS119
D307	8-719-911-19	s DIODE 1SS119
D308	8-719-404-35	s DIODE MA141WK
D309	8-719-820-05	s DIODE 1SS181
D310	8-719-820-05	s DIODE 1SS181
D311	8-719-820-05	s DIODE 1SS181
D501	8-719-955-05	s DIODE BR550S5
D502	8-719-987-74	s DIODE GL3HY43
D503	8-719-987-74	s DIODE GL3HY43
D504	8-719-987-74	s DIODE GL3HY43
D505	8-719-987-74	s DIODE GL3HY43
FL201	1-236-145-11	s FILTER, BAND PASS
IC1	8-759-111-56	s IC UPC4572G2
IC2	8-759-111-56	s IC UPC4572G2
IC4	8-759-111-56	s IC UPC4572G2
IC5	8-759-111-56	s IC UPC4572G2
IC6	8-759-111-56	s IC UPC4572G2
IC8	8-759-939-41	s IC S-81230AG-RB
IC10	8-759-111-56	s IC UPC4572G2
IC151	8-759-111-56	s IC UPC4572G2
IC152	8-759-111-56	s IC UPC4572G2
IC171	8-759-111-56	s IC UPC4572G2
IC172	8-759-111-56	s IC UPC4572G2
IC201	8-752-003-69	s IC CX20037A
IC301	8-759-111-56	s IC UPC4572G2
IC302	8-759-100-96	s IC UPC4558G2
IC303	8-759-745-64	s IC NJM4560M
IC304	8-759-700-50	s IC NJM386M
IC305	8-759-300-71	s IC MC14053BF
IC306	8-759-300-71	s IC MC14053BF
IC307	8-759-300-71	s IC MC14053BF
IC308	8-759-100-96	s IC UPC4558G2
IC502	8-752-835-84	s IC CXP5078H-618Q
IC503	1-808-016-11	s ARRAY, LED
L101	1-410-389-31	s INDUCTOR CHIP 47uH
L102	1-410-389-31	s INDUCTOR CHIP 47uH

## (FP-40/40P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L151	1-410-380-31	s INDUCTOR CHIP 8.2uH
L152	1-410-380-31	s INDUCTOR CHIP 8.2uH
L171	1-410-380-31	s INDUCTOR CHIP 8.2uH
L172	1-410-380-31	s INDUCTOR CHIP 8.2uH
L201	1-410-393-11	s INDUCTOR CHIP 100uH
L202	1-410-658-31	s INDUCTOR CHIP 220uH
L303	1-408-798-00	s INDUCTOR CHIP 1MMH
L502	1-410-381-11	s INDUCTOR CHIP 10uH
LCD501	1-807-981-12	s DISPLAY PANEL, LIQUID CRYSTAL
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-905-18	s TRANSISTOR DTC144EU
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q11	8-729-905-18	s TRANSISTOR DTC144EU
Q12	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q16	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q17	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q207	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300(J), EVW-300(UC)]
Q208	8-729-220-93	s TRANSISTOR 2SK209-G [for EVW-300(J), EVW-300(UC)]
Q209	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q210	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q216	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q217	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q301	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q302	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q303	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q304	8-729-905-23	s TRANSISTOR 2SA1576R
Q305	8-729-209-07	s TRANSISTOR 2SC4213-B
Q306	8-729-905-23	s TRANSISTOR 2SA1576R
Q307	8-729-209-07	s TRANSISTOR 2SC4213-B
Q308	8-729-209-07	s TRANSISTOR 2SC4213-B
Q309	8-729-209-07	s TRANSISTOR 2SC4213-B
Q310	8-729-905-23	s TRANSISTOR 2SA1576R
Q311	8-729-905-18	s TRANSISTOR DTC144EU
Q502	8-729-905-18	s TRANSISTOR DTC144EU
Q503	8-729-905-18	s TRANSISTOR DTC144EU
Q504	8-729-920-99	s TRANSISTOR DTA114EU
R2	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R3	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R7	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R8	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R9	1-218-684-11	s METAL 470 0.50% 1/16W
R10	1-218-874-11	s METAL CHIP 13K 0.50% 1/16W
R12	1-218-716-11	s METAL 10K 0.50% 1/16W
R13	1-218-723-11	s METAL 20K 0.50% 1/16W
R15	1-218-723-11	s METAL 20K 0.50% 1/16W
R16	1-218-700-11	s METAL 2.2K 0.50% 1/16W

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (FP-40/40P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R17	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R35	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R36	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R39	1-218-874-11	s METAL CHIP 13K 0.50% 1/16W
R40	1-218-684-11	s METAL 470 0.50% 1/16W
R42	1-218-716-11	s METAL 10K 0.50% 1/16W
R43	1-218-723-11	s METAL 20K 0.50% 1/16W
R45	1-218-723-11	s METAL 20K 0.50% 1/16W
R46	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R47	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R72	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R73	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W
R77	1-218-684-11	s METAL 470 0.50% 1/16W
R78	1-218-874-11	s METAL CHIP 13K 0.50% 1/16W
R80	1-218-716-11	s METAL 10K 0.50% 1/16W
R81	1-218-723-11	s METAL 20K 0.50% 1/16W
R83	1-218-723-11	s METAL 20K 0.50% 1/16W
R84	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R85	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R151	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R152	1-218-740-11	s METAL 100K 0.50% 1/16W
R153	1-218-740-11	s METAL 100K 0.50% 1/16W
R154	1-218-676-11	s METAL 220 0.50% 1/16W
R156	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R157	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R158	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R159	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R160	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R162	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R163	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R164	1-218-679-91	s METAL 300 0.50% 1/16W
R165	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R166	1-218-724-11	s METAL 22K 0.50% 1/16W
R171	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R172	1-218-740-11	s METAL 100K 0.50% 1/16W
R173	1-218-740-11	s METAL 100K 0.50% 1/16W
R174	1-218-676-11	s METAL 220 0.50% 1/16W
R176	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R177	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R178	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R179	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R180	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R182	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R183	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R184	1-218-679-91	s METAL 300 0.50% 1/16W
R185	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R186	1-218-724-11	s METAL 22K 0.50% 1/16W
R253	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R254	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R350	1-216-295-91	s METAL, CHIP 0 5% 1/10W
R363	1-216-005-00	s METAL, CHIP 15 5% 1/10W
R364	1-216-005-00	s METAL, CHIP 15 5% 1/10W
R512	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R513	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R514	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R531	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R532	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R533	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W

## (FP-40/40P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV1	1-230-337-11	s RES, VAR, CARBON 10K
RV2	1-230-337-11	s RES, VAR, CARBON 10K
RV3	1-230-337-11	s RES, VAR, CARBON 10K
RV4	1-238-007-11	s RES, ADJ, METAL 100K
RV201	1-238-005-11	s RES, ADJ, METAL 10K
RV202	1-238-006-11	s RES, ADJ, METAL 22K
RV203	1-238-005-11	s RES, ADJ, METAL 10K
RV303	1-230-337-11	s RES, VAR, CARBON 10K
RV304	1-238-004-11	s RES, ADJ, METAL 4.7K
RV305	1-238-004-11	s RES, ADJ, METAL 4.7K
RV306	1-238-004-11	s RES, ADJ, METAL 4.7K
RV307	1-238-006-11	s RES, ADJ, METAL 22K
RV308	1-238-006-11	s RES, ADJ, METAL 22K
RV309	1-238-006-11	s RES, ADJ, METAL 22K
RV501	1-237-518-21	s RES, ADJ, METAL 10K
RV502	1-237-518-21	s RES, ADJ, METAL 10K
S1	1-571-217-11	s SWITCH, SLIDE
S2	1-571-217-11	s SWITCH, SLIDE
S3	1-570-862-11	s SWITCH, SLIDE
S4	1-570-844-11	s SWITCH, SLIDE
S5	1-570-844-11	s SWITCH, SLIDE
S6	1-570-839-11	s SWITCH, SLIDE
S301	1-570-832-11	s SWITCH, SLIDE
S302	1-571-217-11	s SWITCH, SLIDE
S303	1-570-853-11	s SWITCH, SLIDE
S501	1-570-373-12	s SWITCH, SLIDE
S502	1-692-098-11	s SWITCH, SLIDE [for EVW-300(J), EVW-300(UC)]
S503	1-570-844-11	s SWITCH, SLIDE
S504	1-571-648-11	s SWITCH, KEY BOARD
S505	1-570-844-11	s SWITCH, SLIDE
S506	1-570-850-11	s SWITCH, SLIDE
S507	1-570-857-11	s SWITCH, SLIDE
S508	1-570-857-11	s SWITCH, SLIDE
S509	1-570-857-11	s SWITCH, SLIDE
S510	1-554-303-21	s SWITCH, TACTILE
S511	1-554-303-21	s SWITCH, TACTILE
S512	1-570-832-11	s SWITCH, SLIDE
S513	1-570-839-11	s SWITCH, SLIDE
X501	1-567-346-11	s OSCILLATOR, CERAMIC 0.5MHz [for EVW-300(J), EVW-300(UC)]
X501	1-577-117-21	s VIBRATOR, CRYSTAL 4.433619MHz [for EVW-300P(EK)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

IE-33/33P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-261-A	o MOUNTED CIRCUIT BOARD, IE-33 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-344-A	o MOUNTED CIRCUIT BOARD, IE-33P [for EVW-300P(EK)]
2pcs	7-627-554-27	s SCREW, PRECITION +P 2X6 TYPE1
C1	1-164-156-11	s CERAMIC 0.1uF 25V
C2	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C3	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C4	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C5	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C6	1-124-778-00	s ELECT 22uF 20% 6.3V
C7	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C8	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C9	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C10	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C11	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C12	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C14	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C15	1-124-778-00	s ELECT 22uF 20% 6.3V
C16	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C17	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C18	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C19	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C20	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C21	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C23	1-162-909-11	s CERAMIC 4PF 0.25PF 50V
C24	1-124-778-00	s ELECT 22uF 20% 6.3V
C25	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C26	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C27	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C28	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C29	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C30	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C31	1-124-778-00	s ELECT 22uF 20% 6.3V
C32	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C33	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C34	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C35	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C36	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C37	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C38	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C39	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C40	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C41	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C42	1-124-778-00	s ELECT 22uF 20% 6.3V
C43	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-124-779-00	s ELECT 10uF 20% 16V
C45	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C48	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C49	1-126-193-11	s ELECT 1uF 20% 50V
C50	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C51	1-164-156-11	s CERAMIC 0.1uF 25V
C52	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C53	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C54	1-126-193-11	s ELECT 1uF 20% 50V
C55	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C56	1-164-156-11	s CERAMIC 0.1uF 25V
C57	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C59	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(IE-33/33P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C60	1-124-779-00	s ELECT 10uF 20% 16V
C61	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C62	1-162-909-11	s CERAMIC 4PF 0.25PF 50V
C63	1-162-908-11	s CERAMIC 3PF 0.25PF 50V
C64	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C65	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C66	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C67	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C68	1-126-193-11	s ELECT 1uF 20% 50V
C69	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C70	1-164-156-11	s CERAMIC 0.1uF 25V
C71	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C72	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C73	1-126-193-11	s ELECT 1uF 20% 50V
C74	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C75	1-164-156-11	s CERAMIC 0.1uF 25V
C76	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C78	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C79	1-124-779-00	s ELECT 10uF 20% 16V
C80	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C81	1-162-909-11	s CERAMIC 4PF 0.25PF 50V
C82	1-162-908-11	s CERAMIC 3PF 0.25PF 50V
C83	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C84	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C85	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C86	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C87	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C88	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C89	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C90	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C91	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C92	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C94	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C96	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C98	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C99	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C100	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C101	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C103	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C104	1-162-913-11	s CERAMIC 8PF 0.5PF 50V
C105	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C106	1-162-913-11	s CERAMIC 8PF 0.5PF 50V
C107	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C108	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C109	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C110	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C111	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C118	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C120	1-128-394-11	s ELECT 220uF 20% 10V
C121	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C122	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
D1	8-719-820-05	s DIODE 1SS181
D2	8-719-820-05	s DIODE 1SS181
D3	8-719-404-35	s DIODE MA141WK
D4	8-719-404-35	s DIODE MA141WK
D5	8-719-404-35	s DIODE MA141WK

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (IE-33/33P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D6	8-719-404-35	s DIODE MA141WK
D7	8-719-404-35	s DIODE MA141WK
D8	8-719-404-35	s DIODE MA141WK
DL1	1-415-895-11	s DELAY LINE
FL1	1-409-427-11	s FILTER, TRAP 14.3MHz
FL2	1-409-427-11	s FILTER, TRAP 14.3MHz
FL3	1-409-427-11	s FILTER, TRAP 14.3MHz
IC1	8-759-906-53	s IC TL062CPS
IC2	8-759-300-71	s IC MC14053BF
IC3	8-759-906-53	s IC TL062CPS
IC4	8-759-300-71	s IC MC14053BF
IC5	8-759-234-77	s IC TC4S66F
IC6	8-759-209-57	s IC TC4S69F
IC7	8-759-204-51	s IC TC40H008F
IC9	8-759-925-90	s IC SN74HC74ANS
IC10	8-759-635-27	s IC M62352GP
IC11	8-759-209-57	s IC TC4S69F
IC12	8-759-234-20	s IC TC7S08F
IC14	8-752-332-69	s IC CXL5504M
IC15	8-752-332-69	s IC CXL5504M
IC16	8-752-332-69	s IC CXL5504M
IC17	8-752-332-69	s IC CXL5504M
IC18	8-759-204-40	s IC TC40H027F
IC19	8-759-201-50	s IC TC40H193F
IC20	8-759-927-46	s IC SN74HC00ANS
IC21	8-759-925-90	s IC SN74HC74ANS
IC22	8-759-925-90	s IC SN74HC74ANS
IC23	8-759-925-72	s IC SN74HC02ANS
L1	1-410-385-11	s INDUCTOR, CHIP 22uH
L2	1-410-377-31	s INDUCTOR CHIP 4.7uH
L3	1-410-373-31	s INDUCTOR CHIP 2.2uH
L4	1-410-377-31	s INDUCTOR CHIP 4.7uH
L5	1-410-373-31	s INDUCTOR CHIP 2.2uH
L6	1-410-387-11	s INDUCTOR CHIP 33uH
L7	1-410-387-11	s INDUCTOR CHIP 33uH
L8	1-412-282-41	s INDUCTOR 470uH
L9	1-410-385-11	s INDUCTOR, CHIP 22uH
L10	1-410-385-11	s INDUCTOR, CHIP 22uH
L11	1-410-385-11	s INDUCTOR, CHIP 22uH
L12	1-410-389-31	s INDUCTOR CHIP 47uH
L13	1-410-385-11	s INDUCTOR, CHIP 22uH
Q1	8-729-905-23	s TRANSISTOR 2SA1576R
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-905-23	s TRANSISTOR 2SA1576R
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-142-90	s TRANSISTOR 2SK853-K5
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-905-23	s TRANSISTOR 2SA1576R
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q11	8-729-905-23	s TRANSISTOR 2SA1576R
Q12	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q13	8-729-142-90	s TRANSISTOR 2SK853-K5
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-905-23	s TRANSISTOR 2SA1576R

## (IE-33/33P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q16	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q17	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q18	8-729-905-23	s TRANSISTOR 2SA1576R
Q19	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q20	8-729-142-90	s TRANSISTOR 2SK853-K5
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q23	8-729-905-23	s TRANSISTOR 2SA1576R
Q24	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q25	8-729-905-23	s TRANSISTOR 2SA1576R
Q26	8-729-905-23	s TRANSISTOR 2SA1576R
Q27	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q28	8-729-117-72	s TRANSISTOR 2SC4178
Q29	8-729-117-72	s TRANSISTOR 2SC4178
Q30	8-729-905-23	s TRANSISTOR 2SA1576R
Q31	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q32	8-729-905-23	s TRANSISTOR 2SA1576R
Q33	8-729-905-23	s TRANSISTOR 2SA1576R
Q34	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q35	8-729-905-23	s TRANSISTOR 2SA1576R
Q36	8-729-905-23	s TRANSISTOR 2SA1576R
Q37	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q38	8-729-117-72	s TRANSISTOR 2SC4178
Q39	8-729-117-72	s TRANSISTOR 2SC4178
Q40	8-729-905-23	s TRANSISTOR 2SA1576R
Q41	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q42	8-729-905-23	s TRANSISTOR 2SA1576R
Q43	8-729-905-23	s TRANSISTOR 2SA1576R
Q44	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q45	8-729-117-72	s TRANSISTOR 2SC4178
Q46	8-729-117-72	s TRANSISTOR 2SC4178
Q47	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q48	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q49	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q50	8-729-117-72	s TRANSISTOR 2SC4178
Q51	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q52	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q53	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q57	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q58	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q59	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q60	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q61	8-729-905-23	s TRANSISTOR 2SA1576R
R1	1-218-692-11	s METAL 1K 0.50% 1/16W
R2	1-218-730-11	s METAL 39K 0.50% 1/16W
R19	1-218-692-11	s METAL 1K 0.50% 1/16W
R20	1-218-730-11	s METAL 39K 0.50% 1/16W
R26	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R36	1-218-692-11	s METAL 1K 0.50% 1/16W
R37	1-218-730-11	s METAL 39K 0.50% 1/16W
R63	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R69	1-218-732-11	s METAL 47K 0.50% 1/16W
R75	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R76	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R86	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R87	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R90	1-218-684-11	s METAL 470 0.50% 1/16W
R93	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (IE-33/33P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R94	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R104	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R105	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R108	1-218-684-11	s METAL 470 0.50% 1/16W
R111	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R112	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R113	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R122	1-218-716-11	s METAL 10K 0.50% 1/16W
R123	1-218-716-11	s METAL 10K 0.50% 1/16W
R125	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R131	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R134	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R135	1-218-836-11	s METAL CHIP 360 0.50% 1/16W
R136	1-218-858-11	s METAL CHIP 3K 0.50% 1/16W
R137	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R160	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R161	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R164	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R165	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R184	1-218-692-11	s METAL 1K 0.50% 1/16W
RV1	1-238-089-11	s RES, ADJ, 4.7K
RV2	1-238-089-11	s RES, ADJ, 4.7K
RV3	1-238-089-11	s RES, ADJ, 4.7K
RV4	1-241-266-11	s RES, ADJ, METAL 50K
RV5	1-241-266-11	s RES, ADJ, METAL 50K
RV6	1-241-266-11	s RES, ADJ, METAL 50K
RV7	1-238-089-11	s RES, ADJ, 4.7K
RV8	1-238-089-11	s RES, ADJ, 4.7K
RV9	1-238-089-11	s RES, ADJ, 4.7K
RV10	1-238-089-11	s RES, ADJ, 4.7K
RV11	1-241-262-11	s RES, ADJ, METALT 2K
RV12	1-241-263-11	s RES, ADJ, METALT 5K
RV13	1-241-263-11	s RES, ADJ, METALT 5K
RV14	1-238-090-11	s RES, ADJ, 10K
RV16	1-238-088-11	s RES, ADJ, 2.2K
RV17	1-238-091-11	s RES, ADJ METAL 22K
RV18	1-238-088-11	s RES, ADJ, 2.2K
S1	1-572-272-11	s SWITCH, SLIDE [for EVW-300(J), EVW-300(UC)]

## KY-191 BOARD

Ref. No. or Q'ty	Part No.	SP Description
CN1	1-949-510-11	o HARNESS (KY-MB)
D1	8-719-049-48	s DIODE LT1D11A
D2	8-719-049-48	s DIODE LT1D11A
D3	8-719-049-48	s DIODE LT1D11A
D4	8-719-801-78	s DIODE 1SS184
D5	8-719-801-78	s DIODE 1SS184
D6	8-719-801-78	s DIODE 1SS184
R1	1-216-049-91	s METAL 1K 5% 1/10W
R2	1-216-049-91	s METAL 1K 5% 1/10W
R3	1-216-049-91	s METAL 1K 5% 1/10W
S1	1-554-371-51	s SWITCH, TACTILE
S2	1-554-371-51	s SWITCH, TACTILE
S3	1-554-371-51	s SWITCH, TACTILE
S4	1-554-371-51	s SWITCH, TACTILE
S5	1-554-371-51	s SWITCH, TACTILE

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MB-381/381P BAORD  
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Ref. No.

or Q'ty Part No. SP Description

1pc A-8271-254-A o MOUNTED CIRCUIT BOARD, MB-381  
[for EVW-300(J), EVW-300(UC)]

1pc A-8271-342-A o MOUNTED CIRCUIT BOARD, MB-381P  
[for EVW-300P(EK)]

C11 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V  
C21 1-164-360-11 s CERAMIC 0.1uF 16V  
C22 1-164-360-11 s CERAMIC 0.1uF 16V  
C23 1-164-360-11 s CERAMIC 0.1uF 16V  
C24 1-135-210-11 s TANTALUM 4.7uF 10% 10V

C25 1-135-210-11 s TANTALUM 4.7uF 10% 10V  
C28 1-164-360-11 s CERAMIC 0.1uF 16V  
C29 1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V  
C31 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V  
C32 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

C33 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V  
C34 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V  
C35 1-164-360-11 s CERAMIC 0.1uF 16V  
C41 1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V  
C42 1-162-909-11 s CERAMIC 4PF 0.25PF 50V

C43 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V  
[for EVW-300(J), EVW-300(UC)]  
C43 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V  
[for EVW-300P(EK)]

C44 1-164-360-11 s CERAMIC 0.1uF 16V  
C45 1-162-909-11 s CERAMIC 4PF 0.25PF 50V  
C46 1-162-909-11 s CERAMIC 4PF 0.25PF 50V

C47 1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V  
C48 1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V  
C49 1-164-360-11 s CERAMIC 0.1uF 16V  
C50 1-164-360-11 s CERAMIC 0.1uF 16V

CN1 1-691-856-11 s CONNECTOR, BOARD TO BOARD 60P  
CN11 1-506-472-11 s CONNECTOR, 7P, MALE  
CN12 1-506-473-11 o CONNECTOR, 8P, MALE  
CN13 1-506-469-11 s CONNECTOR, 4P, MALE  
CN14 1-506-488-11 s CONNECTOR, 9P, MALE

CN15 1-564-014-11 s CONNECTOR 4P, MALE

D11 8-719-106-43 s DIODE RD9.1M-B1

IC21 8-759-710-86 s IC NJM2233BM  
IC22 8-759-256-44 s IC NJM2235M-TE2  
IC41 8-759-262-03 s IC MC14577CF  
IC42 8-759-262-03 s IC MC14577CF

L11 1-410-369-11 s INDUCTOR CHIP 1uH  
L41 1-410-389-31 s INDUCTOR CHIP 47uH  
[for EVW-300(J), EVW-300(UC)]  
L41 1-410-388-31 s INDUCTOR, CHIP 39uH  
[for EVW-300P(EK)]

Q11 8-729-905-12 s TRANSISTOR DTA144EU  
Q12 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
Q13 8-729-101-07 s TRANSISTOR 2SB798  
Q31 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
Q32 8-729-120-28 s TRANSISTOR 2SC1623-L5L6

Q36 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
Q37 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
Q41 8-729-120-28 s TRANSISTOR 2SC1623-L5L6

R21 1-211-990-11 s METAL CHIP 75 0.50% 1/16W  
R24 1-211-990-11 s METAL CHIP 75 0.50% 1/16W  
R42 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W

(MB-381/381P BAORD)

Ref. No.

or Q'ty Part No. SP Description

R43 1-218-700-11 s METAL 2.2K 0.50% 1/16W  
R44 1-211-990-11 s METAL CHIP 75 0.50% 1/16W  
R49 1-218-684-11 s METAL 470 0.50% 1/16W  
R50 1-218-841-11 s METAL CHIP 560 0.50% 1/16W  
R53 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W

R54 1-218-700-11 s METAL 2.2K 0.50% 1/16W  
R55 1-211-990-11 s METAL CHIP 75 0.50% 1/16W  
R56 1-218-692-11 s METAL 1K 0.50% 1/16W  
R57 1-218-692-11 s METAL 1K 0.50% 1/16W  
R58 1-218-700-11 s METAL 2.2K 0.50% 1/16W

R59 1-218-700-11 s METAL 2.2K 0.50% 1/16W  
R60 1-211-990-11 s METAL CHIP 75 0.50% 1/16W  
R61 1-211-990-11 s METAL CHIP 75 0.50% 1/16W

S1 1-553-906-00 s SWITCH, SLIDE

Please see page D-29 for the part numbers of resistors that are not the parts list.



MB-384/384P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-259-A	o MOUNTED CIRCUIT BOARD, MB-384 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-341-A	o MOUNTED CIRCUIT BOARD, MB-384P [for EVW-300P(EK)]
1pc	1-562-739-11	o HOUSING, CONNECTOR 6P
1pc	1-564-832-11	o CONTACT
1pc	1-569-193-11	o CONTACT, AWG24-30
1pc	1-569-199-11	o PLUG HOUSING, 6P
C1	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V [for EVW-300P(EK)]
C2	1-135-155-21	s TANTALUM, CHIP 4.7uF 10% 16V [for EVW-300P(EK)]
C3	1-164-156-11	s CERAMIC 0.1uF 25V
C4	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C9	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C10	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C13	1-164-156-11	s CERAMIC 0.1uF 25V
C14	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C15	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C16	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C19	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C21	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C24	1-164-156-11	s CERAMIC 0.1uF 25V
C25	1-164-156-11	s CERAMIC 0.1uF 25V
C26	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C27	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C28	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C29	1-128-499-11	s ELECT 220uF 20% 16V
C30	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C31	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C32	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C33	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C34	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C35	1-135-076-21	s TANTALUM, CHIP 1uF 10% 35V
C36	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C37	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C38	1-126-916-11	s ELECT 1000uF 20% 6.3
C40	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C42	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C43	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C44	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V [for EVW-300(J), EVW-300(UC)]
C45	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C46	1-126-942-61	s ELECT 1000uF 20% 25V
C47	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C48	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C50	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C51	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C52	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C53	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C54	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C55	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
CN1	1-565-877-11	s PIN, CONNECTOR (PC BOARD) 5P
CN2	1-565-884-11	o PIN, CONNECTOR (PC BOARD) 12P
CN3	1-565-884-11	o PIN, CONNECTOR (PC BOARD) 12P
CN4	1-565-884-11	o PIN, CONNECTOR (PC BOARD) 12P
CN5	1-565-877-11	s PIN, CONNECTOR (PC BOARD) 5P

(MB-384/384P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
CN6	1-565-877-11	s PIN, CONNECTOR (PC BOARD) 5P
CN7	1-506-481-11	s CONNECTOR, 2P, MALE
CN8	1-506-481-11	s CONNECTOR, 2P, MALE
CN9	1-506-481-11	s CONNECTOR, 2P, MALE
CN11	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN12	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN13	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN14	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN15	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN18	1-566-759-11	o PIN, CONNECTOR (PC BOARD) 4P
CN19	1-564-014-11	s CONNECTOR 4P, MALE
CN20	1-566-199-11	o PIN, CONNECTOR (PC BOARD) 6P
CN21	1-506-487-11	s CONNECTOR, 8P, MALE
CN22	1-506-485-11	s CONNECTOR, 6P, MALE
CN23	1-691-853-11	o CONNECTOR POST HEADER, 1LG 15P
CN24	1-506-483-21	s CONNECTOR, 4P, MALE
CP1	1-577-181-11	s OSCILLATOR, CRYSTAL [for EVW-300(J), EVW-300(UC)]
CP1	1-577-182-11	s OSCILLATOR, CRYSTAL 28.375MHz [for EVW-300P(EK)]
D1	8-719-820-05	s DIODE 1SS181
D2	8-719-820-05	s DIODE 1SS181
D3	8-719-820-05	s DIODE 1SS181
D4	8-719-800-76	s DIODE 1SS226
D5	8-719-820-05	s DIODE 1SS181
D6	8-719-820-05	s DIODE 1SS181
D7	8-719-820-05	s DIODE 1SS181
D8	8-719-025-31	s DIODE 02CZ5.6-TE85L
D9	8-719-820-05	s DIODE 1SS181
D10	8-719-820-05	s DIODE 1SS181
FB1	1-543-775-11	s FILTER, EMI
FB2	1-543-775-11	s FILTER, EMI
FB3	1-543-775-11	s FILTER, EMI
FB4	1-543-775-11	s FILTER, EMI
FB5	1-543-775-11	s FILTER, EMI
FB6	1-543-775-11	s FILTER, EMI
FB7	1-543-775-11	s FILTER, EMI
FB8	1-543-775-11	s FILTER, EMI
FB9	1-543-775-11	s FILTER, EMI
FB10	1-543-775-11	s FILTER, EMI
IC1	8-759-987-82	s IC 74AC00SJ [for EVW-300(J), EVW-300(UC)]
IC1	8-759-081-42	s IC TC74VHC00F
IC2	8-759-925-90	s IC SN74HC74ANS
IC3	8-752-351-03	s IC CXD1256AR
IC6	8-759-925-90	s IC SN74HC74ANS
IC7	8-752-351-03	s IC CXD1256AR
IC10	8-752-327-46	s IC CXD1250M
IC11	8-752-327-46	s IC CXD1250M
IC12	8-752-327-46	s IC CXD1250M
IC13	8-759-985-17	s IC 74AC04SJ [for EVW-300(J), EVW-300(UC)]
IC13	8-759-081-46	s IC TC74VHC004F
IC14	8-759-906-54	s IC TL064CNS
L1	1-410-389-31	s INDUCTOR CHIP 47uH
L3	1-412-282-41	s INDUCTOR 470uH
L4	1-412-282-41	s INDUCTOR 470uH
L5	1-410-369-11	s INDUCTOR CHIP 1uH

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (MB-384/384P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L6	1-410-369-11	s INDUCTOR CHIP 1uH
L7	1-410-369-11	s INDUCTOR CHIP 1uH
L10	1-410-369-11	s INDUCTOR CHIP 1uH
L11	1-410-369-11	s INDUCTOR CHIP 1uH
L12	1-410-369-11	s INDUCTOR CHIP 1uH
L13	1-410-369-11	s INDUCTOR CHIP 1uH
Q1	8-729-142-90	s TRANSISTOR 2SK853-K5
Q4	8-729-905-23	s TRANSISTOR 2SA1576R
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q11	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q12	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q13	8-729-905-23	s TRANSISTOR 2SA1576R
Q14	8-729-142-90	s TRANSISTOR 2SK853-K5
Q15	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q16	8-729-800-37	s TRANSISTOR 2SD1048-X7
Q17	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q18	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q19	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
RV1	1-237-037-11	s RES, ADJ, METAL 20K
RV2	1-237-037-11	s RES, ADJ, METAL 20K
RV3	1-237-037-11	s RES, ADJ, METAL 20K
RV4	1-237-038-11	s RES, ADJ, METAL 50K
RV5	1-237-038-11	s RES, ADJ, METAL 50K
RV6	1-237-038-11	s RES, ADJ, METAL 50K
W1	1-949-930-12	o HARNESS (MIC-1)
W2	1-949-933-11	o HARNESS (SW-1)
W3	1-949-934-11	o HARNESS (SW-2)

## PA-137/137P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-564-832-11	o CONTACT
1pc	1-569-191-11	o CONTACT, AWG22-26
1pc	1-569-193-11	o CONTACT, AWG24-30
C1	1-164-156-11	s CERAMIC 0.1uF 25V
C2	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C3	1-135-154-21	s TANTALUM, CHIP 3.3uF 20% 20V
C4	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C5	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C6	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C7	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C8	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C9	1-135-092-21	s TANTALUM, CHIP 3.3uF 10% 16V
C10	1-164-156-11	s CERAMIC 0.1uF 25V
C11	1-135-091-91	s CHIP, TANTALUM 1uF 20% 16V
C12	1-126-925-11	s ELECT 470uF 20% 10V
IC2	8-759-271-86	s IC TC7SH04F
IC3	8-759-271-86	s IC TC7SH04F
IC4	8-759-052-66	s IC AN2011S
L1	1-410-658-31	s INDUCTOR CHIP 220uH
Q1	8-729-117-72	s TRANSISTOR 2SC4178
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R12	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R13	1-218-710-11	s METAL 5.6K 0.50% 1/16W

PR-159/159P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-265-A	o MOUNTED CIRCUIT BOARD, PR-159 [for EVW-300(J)]
1pc	A-8271-262-A	o MOUNTED CIRCUIT BOARD, PR-159 [for EVW-300(UC)]
1pc	A-8271-343-A	o MOUNTED CIRCUIT BOARD, PR-159P [for EVW-300P(EK)]
2pcs	7-627-554-27	s SCREW, PRECISION +P 2X6 TYPE1
C1	1-124-778-00	s ELECT 22uF 20% 6.3V
C2	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C3	1-124-778-00	s ELECT 22uF 20% 6.3V
C4	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C5	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C6	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C7	1-124-779-00	s ELECT 10uF 20% 16V
C8	1-124-779-00	s ELECT 10uF 20% 16V
C9	1-126-205-11	s ELECT 47uF 20% 6.3
C10	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C11	1-124-778-00	s ELECT 22uF 20% 6.3V
C12	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C13	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C15	1-164-156-11	s CERAMIC 0.1uF 25V
C16	1-124-779-00	s ELECT 10uF 20% 16V
C17	1-124-779-00	s ELECT 10uF 20% 16V
C18	1-124-778-00	s ELECT 22uF 20% 6.3V
C19	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C22	1-124-779-00	s ELECT 10uF 20% 16V
C23	1-124-779-00	s ELECT 10uF 20% 16V
C24	1-126-601-11	s ELECT 2.2uF 20% 50V
C25	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C26	1-135-179-21	s TANTAL 2.2uF 10% 16V
C27	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C28	1-164-156-11	s CERAMIC 0.1uF 25V
C29	1-124-778-00	s ELECT 22uF 20% 6.3V
C30	1-124-779-00	s ELECT 10uF 20% 16V
C31	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C32	1-135-179-21	s TANTAL 2.2uF 10% 16V
C33	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C34	1-164-156-11	s CERAMIC 0.1uF 25V
C35	1-124-778-00	s ELECT 22uF 20% 6.3V
C36	1-128-394-11	s ELECT 220uF 20% 10V
C37	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C38	1-135-179-21	s TANTAL 2.2uF 10% 16V
C39	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C40	1-164-156-11	s CERAMIC 0.1uF 25V
C41	1-124-778-00	s ELECT 22uF 20% 6.3V
C42	1-124-779-00	s ELECT 10uF 20% 16V
C47	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C48	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C49	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C50	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C51	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C52	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C53	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C54	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C55	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C56	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C57	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C58	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C59	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V

(PR-159/159P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C60	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C61	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C62	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C63	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C64	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C65	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C66	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C67	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C68	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C69	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C70	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C71	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C72	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C73	1-164-361-11	s CERAMIC 0.047uF 16V
C74	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C75	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C76	1-124-779-00	s ELECT 10uF 20% 16V
C79	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C80	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C81	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C82	1-124-779-00	s ELECT 10uF 20% 16V
C85	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C86	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C87	1-124-779-00	s ELECT 10uF 20% 16V
C90	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C91	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C103	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C104	1-164-156-11	s CERAMIC 0.1uF 25V
C105	1-126-204-11	s ELECT 47uF 20% 16V
C106	1-135-217-21	s TANTAL 15uF 20% 6.3
C107	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C108	1-126-204-11	s ELECT 47uF 20% 16V
C109	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C110	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C111	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C112	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C113	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C114	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C115	1-124-778-00	s ELECT 22uF 20% 6.3V
C116	1-124-778-00	s ELECT 22uF 20% 6.3V
C117	1-124-778-00	s ELECT 22uF 20% 6.3V
C118	1-128-394-11	s ELECT 220uF 20% 10V
C119	1-124-779-00	s ELECT 10uF 20% 16V
C120	1-124-779-00	s ELECT 10uF 20% 16V
C121	1-124-779-00	s ELECT 10uF 20% 16V
C122	1-128-394-11	s ELECT 220uF 20% 10V
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
D1	8-719-820-05	s DIODE 1SS181
D2	8-719-820-05	s DIODE 1SS181
D3	8-719-820-05	s DIODE 1SS181
D4	8-719-404-35	s DIODE MA141WK
D5	8-719-404-35	s DIODE MA141WK
D6	8-719-800-76	s DIODE 1SS226
D8	8-719-800-76	s DIODE 1SS226
D10	8-719-800-76	s DIODE 1SS226
IC1	8-759-906-53	s IC TL062CPS
IC2	8-759-906-53	s IC TL062CPS

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (PR-159/159P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC3	8-759-906-53	s IC TL062CPS
IC4	8-759-906-53	s IC TL062CPS
IC5	8-759-700-95	s IC NJM1496M
IC6	8-759-700-95	s IC NJM1496M
IC7	8-759-700-95	s IC NJM1496M
IC9	8-759-052-67	s IC UPC2372GF-3B9
IC10	8-759-906-54	s IC TL064CNS
IC12	8-759-209-69	s IC TC4811F
IC13	8-759-635-27	s IC M62352GP
IC14	8-759-906-54	s IC TL064CNS
L1	1-410-385-11	s INDUCTOR, CHIP 22uH
L2	1-410-385-11	s INDUCTOR, CHIP 22uH
L3	1-410-385-11	s INDUCTOR, CHIP 22uH
Q1	8-729-905-23	s TRANSISTOR 2SA1576R
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-905-23	s TRANSISTOR 2SA1576R
Q5	8-729-142-90	s TRANSISTOR 2SK853-K5
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-905-23	s TRANSISTOR 2SA1576R
Q8	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-905-23	s TRANSISTOR 2SA1576R
Q11	8-729-142-90	s TRANSISTOR 2SK853-K5
Q12	8-729-905-23	s TRANSISTOR 2SA1576R
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-905-23	s TRANSISTOR 2SA1576R
Q16	8-729-142-90	s TRANSISTOR 2SK853-K5
Q17	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q18	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q19	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q20	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q23	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q24	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q25	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q26	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q27	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q28	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q29	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q30	8-729-905-23	s TRANSISTOR 2SA1576R
Q31	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q32	8-729-142-90	s TRANSISTOR 2SK853-K5
Q33	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q34	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q35	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q38	8-729-142-90	s TRANSISTOR 2SK853-K5
Q39	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q40	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q41	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q42	8-729-905-23	s TRANSISTOR 2SA1576R
Q43	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q44	8-729-142-90	s TRANSISTOR 2SK853-K5
Q45	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q46	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q47	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (PR-159/159P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q48	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q49	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q50	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q51	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q52	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R18	1-218-868-11	s METAL CHIP 7.5K 0.50% 1/16W
R19	1-218-846-11	s METAL CHIP 910 0.50% 1/16W
R33	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R34	1-218-732-11	s METAL 47K 0.50% 1/16W
R36	1-218-684-11	s METAL 470 0.50% 1/16W
R39	1-218-864-11	s METAL CHIP 5.1K 0.50% 1/16W
R40	1-218-684-11	s METAL 470 0.50% 1/16W
R42	1-218-724-11	s METAL 22K 0.50% 1/16W
R43	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R44	1-218-848-11	s METAL CHIP 1.1K 0.50% 1/16W
R46	1-218-698-11	s METAL 1.8K 0.50% 1/16W
R50	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R51	1-218-724-11	s METAL 22K 0.50% 1/16W
R54	1-218-684-11	s METAL 470 0.50% 1/16W
R57	1-218-684-11	s METAL 470 0.50% 1/16W
R59	1-218-724-11	s METAL 22K 0.50% 1/16W
R60	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R61	1-218-848-11	s METAL CHIP 1.1K 0.50% 1/16W
R63	1-218-698-11	s METAL 1.8K 0.50% 1/16W
R67	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R68	1-218-724-11	s METAL 22K 0.50% 1/16W
R71	1-218-684-11	s METAL 470 0.50% 1/16W
R74	1-218-864-11	s METAL CHIP 5.1K 0.50% 1/16W
R75	1-218-684-11	s METAL 470 0.50% 1/16W
R77	1-218-724-11	s METAL 22K 0.50% 1/16W
R78	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R79	1-218-848-11	s METAL CHIP 1.1K 0.50% 1/16W
R81	1-218-698-11	s METAL 1.8K 0.50% 1/16W
R85	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R86	1-218-724-11	s METAL 22K 0.50% 1/16W
R97	1-218-257-11	s METAL, CHIP 4.99K 0.50% 1/10W
R98	1-218-254-11	s METAL, CHIP 2.55K 0.50% 1/10W
R99	1-218-259-11	s METAL, CHIP 13.7K 0.50% 1/10W
R101	1-218-252-11	s METAL, CHIP 2.26K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
R102	1-218-256-11	s METAL, CHIP 3.32K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
R103	1-218-255-11	s METAL, CHIP 2.67K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
R103	1-218-254-11	s METAL, CHIP 2.55K 0.50% 1/10W [for EVW-300P(EK)]
R104	1-218-253-11	s METAL, CHIP 2.32K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
R104	1-218-259-11	s METAL, CHIP 13.7K 0.50% 1/10W [for EVW-300P(EK)]
R105	1-218-706-11	s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R105	1-218-714-11	s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]
R106	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R106	1-218-858-11	s METAL CHIP 3K 0.50% 1/16W [for EVW-300P(EK)]
R107	1-218-706-11	s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R107	1-218-714-11	s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]

EVW-300(J,UC)  
EVW-300P(EK)

## (PR-159/159P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R108	1-218-851-11	s METAL CHIP 1.5K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R108	1-218-858-11	s METAL CHIP 3K 0.50% 1/16W [for EVW-300P(EK)]
R113	1-218-724-11	s METAL 22K 0.50% 1/16W
R114	1-218-714-11	s METAL 8.2K 0.50% 1/16W
R117	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R120	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R132	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R134	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R143	1-218-699-11	s METAL, CHIP 2K 0.50% 1/16W
R146	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R185	1-218-732-11	s METAL 47K 0.50% 1/16W
R186	1-218-732-11	s METAL 47K 0.50% 1/16W
R188	1-218-732-11	s METAL 47K 0.50% 1/16W
R190	1-218-732-11	s METAL 47K 0.50% 1/16W
R191	1-218-732-11	s METAL 47K 0.50% 1/16W
R199	1-218-724-11	s METAL 22K 0.50% 1/16W
R200	1-218-724-11	s METAL 22K 0.50% 1/16W
R201	1-218-732-11	s METAL 47K 0.50% 1/16W
R203	1-218-837-11	s METAL CHIP 390 0.50% 1/16W
R204	1-218-688-11	s METAL 680 0.50% 1/16W
R208	1-218-257-11	s METAL, CHIP 4.99K 0.50% 1/10W [for EVW-300P(EK)]
R209	1-218-254-11	s METAL, CHIP 2.55K 0.50% 1/10W [for EVW-300P(EK)]
R224	1-218-899-11	s CHIP, METAL 150K 0.50% 1/16W
RV1	1-238-089-11	s RES, ADJ, 4.7K [for EVW-300(J), EVW-300(UC)]
RV2	1-238-089-11	s RES, ADJ, 4.7K
RV4	1-241-266-11	s RES, ADJ, METAL 50K
RV5	1-241-266-11	s RES, ADJ, METAL 50K
RV6	1-241-266-11	s RES, ADJ, METAL 50K
RV7	1-241-263-11	s RES, ADJ, METALT 5K
RV8	1-241-266-11	s RES, ADJ, METAL 50K
RV9	1-241-263-11	s RES, ADJ, METALT 5K
RV10	1-241-263-11	s RES, ADJ, METALT 5K
RV11	1-241-263-11	s RES, ADJ, METALT 5K
RV12	1-241-264-11	s RES, ADJ, METALT 10K
RV13	1-241-264-11	s RES, ADJ, METALT 10K
RV14	1-241-264-11	s RES, ADJ, METALT 10K
RV15	1-238-092-11	s RES, ADJ METAL 47K
RV16	1-238-092-11	s RES, ADJ METAL 47K
RV17	1-238-092-11	s RES, ADJ METAL 47K
RV18	1-238-089-11	s RES, ADJ, 4.7K

## SS-50/50P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-251-A	o MOUNTED CIRCUIT BOARD, SS-50 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-337-A	o MOUNTED CIRCUIT BOARD, SS-50P [for EVW-300P(EK)]
1pc	1-637-680-11	o WIRE, FLEXIBLE CARD FP-375 [for EVW-300(J), EVW-300(UC)]
BT1	1-528-229-11	o BATTERY, LITHIUM CR-2450
C1	1-164-360-11	s CERAMIC 0.1uF 16V
C2	1-124-778-00	s ELECT 22uF 20% 6.3V
C3	1-164-360-11	s CERAMIC 0.1uF 16V
C4	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C5	1-164-357-11	s CERAMIC 1000PF 5% 50V
C6	1-164-315-11	s CERAMIC 470PF 5% 50V
C7	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C104	1-164-360-11	s CERAMIC 0.1uF 16V
C110	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C111	1-126-205-11	s ELECT 47uF 20% 6.3
C131	1-126-205-11	s ELECT 47uF 20% 6.3
C132	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C135	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C150	1-124-584-00	s ELECT 100uF 20% 10V
C151	1-164-360-11	s CERAMIC 0.1uF 16V
C152	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C153	1-126-601-11	s ELECT 2.2uF 20% 50V
C154	1-164-360-11	s CERAMIC 0.1uF 16V
C155	1-126-601-11	s ELECT 2.2uF 20% 50V
C156	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V [for EVW-300(J), EVW-300(UC)]
C156	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C157	1-164-360-11	s CERAMIC 0.1uF 16V
C158	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C159	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C200	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C201	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C202	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C203	1-164-361-11	s CERAMIC 0.047uF 16V
C204	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C205	1-164-360-11	s CERAMIC 0.1uF 16V
C206	1-164-360-11	s CERAMIC 0.1uF 16V
C207	1-164-360-11	s CERAMIC 0.1uF 16V
C208	1-164-357-11	s CERAMIC 1000PF 5% 50V
C209	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C210	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C220	1-125-388-11	s CAP 0.1F
C221	1-126-603-11	s ELECT 4.7uF 20% 35V
C230	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C231	1-126-603-11	s ELECT 4.7uF 20% 35V
C232	1-162-969-11	s CERAMIC 0.0068uF 10% 25V
C233	1-164-357-11	s CERAMIC 1000PF 5% 50V
C234	1-164-360-11	s CERAMIC 0.1uF 16V
C235	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C236	1-162-969-11	s CERAMIC 0.0068uF 10% 25V [for EVW-300P(EK)]
C251	1-126-603-11	s ELECT 4.7uF 20% 35V
C253	1-164-222-11	s CERAMIC 0.22uF 25V
C300	1-164-346-11	s CERAMIC 1uF 16V
C301	1-124-779-00	s ELECT 10uF 20% 16V
C302	1-164-361-11	s CERAMIC 0.047uF 16V

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (SS-50/50P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C303	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C304	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C305	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C306	1-164-361-11	s CERAMIC 0.047uF 16V
C310	1-164-360-11	s CERAMIC 0.1uF 16V
C311	1-127-558-11	s ELECT (SOLID) 10uF 20% 10V
C312	1-164-361-11	s CERAMIC 0.047uF 16V
C313	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C314	1-164-360-11	s CERAMIC 0.1uF 16V
C315	1-162-928-11	s CERAMIC 120PF 5% 50V
C316	1-164-361-11	s CERAMIC 0.047uF 16V
C317	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C318	1-164-361-11	s CERAMIC 0.047uF 16V
C319	1-127-558-11	s ELECT (SOLID) 10uF 20% 10V
C320	1-164-360-11	s CERAMIC 0.1uF 16V
C321	1-128-078-11	s ELECT 33uF 20% 10V
C322	1-124-584-00	s ELECT 100uF 20% 10V
C323	1-124-577-11	s ELECT 82uF 20% 10V
C340	1-124-779-00	s ELECT 10uF 20% 16V
C341	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C343	1-164-222-11	s CERAMIC 0.22uF 25V
C344	1-124-779-00	s ELECT 10uF 20% 16V
C345	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C346	1-162-967-11	s CERAMIC 0.0033uF 10% 50V
C347	1-162-967-11	s CERAMIC 0.0033uF 10% 50V
C348	1-162-967-11	s CERAMIC 0.0033uF 10% 50V
C349	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C350	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C360	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C361	1-164-360-11	s CERAMIC 0.1uF 16V
C362	1-124-779-00	s ELECT 10uF 20% 16V
C363	1-126-193-11	s ELECT 1uF 20% 50V
C370	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C371	1-162-965-11	s CERAMIC 0.0015uF 10% 50V
C372	1-162-924-11	s CERAMIC 56PF 5% 50V
C373	1-164-357-11	s CERAMIC 1000PF 5% 50V
C374	1-164-315-11	s CERAMIC 470PF 5% 50V
C375	1-164-361-11	s CERAMIC 0.047uF 16V
C376	1-164-357-11	s CERAMIC 1000PF 5% 50V
C377	1-162-967-11	s CERAMIC 0.0033uF 10% 50V
C378	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C379	1-162-957-11	s CERAMIC 220PF 5% 50V
C380	1-124-779-00	s ELECT 10uF 20% 16V
C381	1-164-360-11	s CERAMIC 0.1uF 16V
C382	1-164-357-11	s CERAMIC 1000PF 5% 50V
C383	1-164-357-11	s CERAMIC 1000PF 5% 50V
C384	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C385	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C386	1-164-361-11	s CERAMIC 0.047uF 16V
C387	1-164-360-11	s CERAMIC 0.1uF 16V
C388	1-164-346-11	s CERAMIC 1uF 16V
C389	1-164-346-11	s CERAMIC 1uF 16V
C390	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C391	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C392	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C393	1-164-360-11	s CERAMIC 0.1uF 16V
C394	1-124-779-00	s ELECT 10uF 20% 16V
C400	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C401	1-164-361-11	s CERAMIC 0.047uF 16V

## (SS-50/50P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C402	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C404	1-164-361-11	s CERAMIC 0.047uF 16V
C405	1-124-779-00	s ELECT 10uF 20% 16V
C410	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C411	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C412	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C413	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C414	1-124-779-00	s ELECT 10uF 20% 16V
C415	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C416	1-126-205-11	s ELECT 47uF 20% 6.3
C420	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C421	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C422	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C423	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C424	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C425	1-164-361-11	s CERAMIC 0.047uF 16V
C428	1-162-924-11	s CERAMIC 56PF 5% 50V
C429	1-124-779-00	s ELECT 10uF 20% 16V
C430	1-164-227-11	s CERAMIC 0.022uF 10% 25V
CN001	1-566-529-11	s CONNECTOR, FPC (ZIF) 13P [for EVW-300(J), EVW-300(UC)]
CN1	1-566-529-11	s CONNECTOR, FPC (ZIF) 13P [for EVW-300P(EK)]
CN002	1-566-527-11	s CONNECTOR, FPC (ZIF) 11P [for EVW-300(J), EVW-300(UC)]
CN2	1-566-527-11	s CONNECTOR, FPC (ZIF) 11P [for EVW-300P(EK)]
CN003	1-565-211-11	o CONNECTOR, FPC (ZIF) 22P [for EVW-300(J), EVW-300(UC)]
CN3	1-565-211-11	o CONNECTOR, FPC (ZIF) 22P [for EVW-300P(EK)]
CN101	1-566-530-11	s CONNECTOR, FPC (ZIF) 14P
CN101	1-569-346-11	s CONNECTOR, FPC(TRANSLATION)10P
CN104	1-566-521-11	s CONNECTOR, 5P
CN106	1-565-212-11	s CONNECTOR, FPC (ZIF) 26P
CN107	1-565-212-11	s CONNECTOR, FPC (ZIF) 26P
D1	8-719-421-30	s DIODE MA141A
D2	8-719-421-30	s DIODE MA141A
D100	8-719-105-90	s DIODE RD5.6M-B1
D101	8-719-106-22	s DIODE RD7.5M-B1
D110	8-719-938-72	s DIODE SB01-05CP
D111	8-719-421-30	s DIODE MA141A
D200	8-719-404-35	s DIODE MA141WK
D210	8-719-404-35	s DIODE MA141WK
D211	8-719-980-78	s DIODE ERA83-006
D212	8-719-980-78	s DIODE ERA83-006
D300	8-719-981-59	s DIODE FC805
D310	8-719-404-46	s DIODE MA110
IC100	8-759-290-56	s IC UPD75516GF-563-3B9
IC105	8-759-937-54	s IC S-81250HG-RD-S
IC106	8-759-946-03	s IC S-8054ALR-LN-S
IC108	8-759-089-05	s IC BR93LC46F
IC200	8-752-841-85	s IC CXP80116-873Q [for EVW-300(J), EVW-300(UC)]
IC200	8-752-841-84	s IC CXP80116-874Q [for EVW-300P(EK)]
IC201	8-759-035-98	s IC MC141600FU
IC202	8-759-805-06	s IC CXA1127M
IC203	8-759-983-69	s IC LM358PS

Please see page D-29 for the part numbers of resistors that are not the parts list.



## (SS-50/50P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC204	8-759-166-78 s	IC CXA8006BM-ELL1000
IC205	8-759-148-05 s	IC CXA8010M
IC206	8-752-035-48 s	IC CXA1204Q
IC400	8-759-998-32 s	IC CXD2107M
IC401	8-759-988-13 s	IC LM393PS

L1	1-410-369-11 s	INDUCTOR CHIP 1uH
L10	1-410-393-11 s	INDUCTOR CHIP 100uH
L11	1-410-381-11 s	INDUCTOR CHIP 10uH
L200	1-410-381-11 s	INDUCTOR CHIP 10uH
L201	1-410-369-11 s	INDUCTOR CHIP 1uH

L300	1-424-104-11 s	COIL, CHOKE 10uH
L301	1-424-106-11 s	COIL, CHOKE 47uH
L302	1-424-106-11 s	COIL, CHOKE 47uH
L303	1-410-369-11 s	INDUCTOR CHIP 1uH
L304	1-410-369-11 s	INDUCTOR CHIP 1uH

L305	1-410-381-11 s	INDUCTOR CHIP 10uH
L310	1-410-381-11 s	INDUCTOR CHIP 10uH
L311	1-410-381-11 s	INDUCTOR CHIP 10uH
L320	1-410-381-11 s	INDUCTOR CHIP 10uH
L321	1-412-280-31 s	INDUCTOR 330uH

L322	1-410-381-11 s	INDUCTOR CHIP 10uH
L400	1-412-062-11 s	INDUCTOR CHIP 47uH
L410	1-410-381-11 s	INDUCTOR CHIP 10uH
L411	1-412-062-11 s	INDUCTOR CHIP 47uH
L420	1-410-381-11 s	INDUCTOR CHIP 10uH

L421	1-410-382-31 s	INDUCTOR CHIP 12uH
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PS1	1-532-679-00 s	LINK, IC
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Q1	8-729-905-18 s	TRANSISTOR DTC144EU
Q100	8-729-905-12 s	TRANSISTOR DTA144EU
Q101	8-729-905-18 s	TRANSISTOR DTC144EU
Q102	8-729-905-12 s	TRANSISTOR DTA144EU
Q103	8-729-905-18 s	TRANSISTOR DTC144EU
Q110	8-729-905-23 s	TRANSISTOR 2SA1576R
Q111	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q112	8-729-905-18 s	TRANSISTOR DTC144EU
Q113	8-729-920-39 s	TRANSISTOR IMT1US
Q114	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6

Q115	8-729-907-26 s	TRANSISTOR IMX1
Q116	8-729-920-39 s	TRANSISTOR IMT1US
Q200	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q201	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q202	8-729-907-00 s	TRANSISTOR DTC114EU

Q210	8-729-907-03 s	TRANSISTOR FMG5
Q220	8-729-820-46 s	TRANSISTOR 2SB1202FAS
Q221	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q300	8-729-805-25 s	TRANSISTOR 2SB1121
Q301	8-729-805-25 s	TRANSISTOR 2SB1121

Q310	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q311	8-729-920-39 s	TRANSISTOR IMT1US
Q320	8-729-905-23 s	TRANSISTOR 2SA1576R
Q321	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q322	8-729-905-23 s	TRANSISTOR 2SA1576R

Q400	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q401	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q410	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q420	8-729-907-26 s	TRANSISTOR IMX1
Q421	8-729-907-26 s	TRANSISTOR IMX1

## (SS-50/50P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
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Q422	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
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R322	1-218-886-11 s	CHIP, METAL 43K 0.50% 1/16W
R336	1-217-671-11 s	METAL 1 5% 1/10W
R337	1-217-671-11 s	METAL 1 5% 1/10W
R338	1-217-671-11 s	METAL 1 5% 1/10W
R339	1-217-671-11 s	METAL 1 5% 1/10W

RV300	1-230-873-11 s	RES, ADJ, METAL 47K
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TH200	1-800-200-00 s	THERMISTOR S-3K
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X1	1-527-997-21 s	VIBRATOR, CRYSTAL 32.768kHz
X2	1-577-291-11 s	VIBRATOR, CERAMIC (WITH (C)) 4.19MH
X4	1-577-116-21 s	VIBRATOR, CRYSTAL 16.0MHz
X5	1-567-735-11 s	VIBRATOR, CRYSTAL 5.94755MHz [for EVW-300(J), EVW-300(UC)]
X5	1-567-699-11 s	VIBRATOR, CRYSTAL 5.85938MHz [for EVW-300P(EK)]

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SW-484 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
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lpc	1-643-114-11 o	PRINTED CIRCUIT BOARD, SW-484
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CN1	1-564-013-31 s	PIN, CONNECTOR 3P
CN2	1-565-876-11 o	PIN, CONNECTOR (PC BOARD) 4P

D1	8-719-970-91 s	DIODE GL1HS112
D2	8-719-970-91 s	DIODE GL1HS112

R1	1-247-823-31 s	CARBON 470 5% 1/4W
R2	1-247-823-31 s	CARBON 470 5% 1/4W
R3	1-249-434-11 s	CARBON 27K 5% 1/4W
R4	1-249-437-11 s	CARBON 47K 5% 1/4W

RV1	1-230-337-11 s	RES, VAR, CARBON 10K
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S1	1-554-174-00 s	SWITCH, TACTILE
S2	1-554-174-00 s	SWITCH, TACTILE

Please see page D-29 for the part numbers of resistors that are not the parts list.

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SW-485 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
lpc	1-643-115-11	o PRINTED CIRCUIT BOARD, SW-485
CN1	1-565-876-11	o PIN, CONNECTOR (PC BOARD) 4P
R1	1-249-437-11	s CARBON 47K 5% 1/4W
R2	1-247-855-31	s CARBON 10K 5% 1/4W
R3	1-249-434-11	s CARBON 27K 5% 1/4W
R4	1-249-437-11	s CARBON 47K 5% 1/4W
R5	1-247-855-31	s CARBON 10K 5% 1/4W
R6	1-249-434-11	s CARBON 27K 5% 1/4W
R7	1-249-434-11	s CARBON 27K 5% 1/4W
S1	1-570-985-11	s SWITCH, TOGGLE
S2	1-570-984-11	s SWITCH, TOGGLE
S3	1-570-985-11	s SWITCH, TOGGLE
S4	1-571-396-11	s SWITCH, TOGGLE

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SW-506 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
lpc	A-8276-283-A	o MOUNTED CIRCUIT BOARD, SW-506
lpc	1-569-977-11	o PIN, CONNECTOR (PC BOARD) 6P
CN1	1-566-758-11	o PIN, CONNECTOR (PC BOARD) 3P
R2	1-249-433-11	s CARBON 22K 5% 1/4W
R3	1-249-409-11	s CARBON 220 5% 1/4W
R4	1-249-419-11	s CARBON 1.5K 5% 1/4W
R5	1-249-437-11	s CARBON 47K 5% 1/4W
R6	1-249-437-11	s CARBON 47K 5% 1/4W
S1	1-554-174-00	s SWITCH, TACTILE
S2	1-554-174-00	s SWITCH, TACTILE
S3	1-554-174-00	s SWITCH, TACTILE
S4	1-570-984-11	s SWITCH, TOGGLE
W1	1-949-935-11	o HARNESS (SW-3)

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SW-507 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
lpc	A-8271-260-A	o MOUNTED CIRCUIT BOARD, SW-507
C1	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C4	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C6	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C7	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C8	1-124-584-00	s ELECT 100uF 20% 10V
C9	1-124-584-00	s ELECT 100uF 20% 10V
C11	1-124-584-00	s ELECT 100uF 20% 10V
C12	1-163-038-91	s CERAMIC 0.1uF 25V
C13	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
CN1	1-564-013-11	o CONNECTOR 3P, MALE
CN2	1-506-485-11	s CONNECTOR, 6P, MALE
D1	8-719-800-76	s DIODE 1SS226
IC1	8-759-745-64	s IC NJM4560M
JR1	1-216-295-91	s METAL, CHIP 0 5% 1/10W
JR2	1-216-295-91	s METAL, CHIP 0 5% 1/10W
JR3	1-216-295-91	s METAL, CHIP 0 5% 1/10W
L1	1-408-408-00	s INDUCTOR 8.2uH
R1	1-216-089-91	s METAL 47K 5% 1/10W
R2	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R3	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R4	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R5	1-216-049-91	s METAL 1K 5% 1/10W
R7	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R8	1-216-089-91	s METAL 47K 5% 1/10W
R9	1-216-017-91	s METAL 47 5% 1/10W
R10	1-216-017-91	s METAL 47 5% 1/10W
S1	1-554-174-00	s SWITCH, TACTILE
S2	1-571-404-11	s SWITCH, KEY BOARD

## VO-43/43P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-252-A	o MOUNTED CIRCUIT BOARD, VO-43 [for EVW-300(J), EVW-300(UC)]
1pc	A-8271-338-A	o MOUNTED CIRCUIT BOARD, VO-43P [for EVW-300P(EK)]
1pc	3-175-619-01	o SUPPORT (UPPER), PC BOARD
1pc	3-175-620-01	o SUPPORT (LOWER), PC BOARD
1pc	3-175-650-01	o SUPPORT (RIGHT), PC BOARD
6pcs	7-621-770-87	s SCREW +B 2.6X5
C3	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C4	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C5	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C6	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C7	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C8	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C10	1-135-202-21	s TANTALUM, CHIP 22uF 20% 4V
C12	1-135-202-21	s TANTALUM, CHIP 22uF 20% 4V
C13	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C14	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C15	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C16	1-135-202-21	s TANTALUM, CHIP 22uF 20% 4V
C17	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C18	1-162-924-11	s CERAMIC 56PF 5% 50V
C23	1-135-202-21	s TANTALUM, CHIP 22uF 20% 4V
C24	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C25	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C101	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C102	1-164-361-11	s CERAMIC 0.047uF 16V
C103	1-162-928-11	s CERAMIC 120PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C104	1-162-958-11	s CERAMIC 270PF 5% 50V
C105	1-164-238-11	s CERAMIC 36PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C105	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for EVW-300P(EK)]
C106	1-162-965-11	s CERAMIC 0.0015uF 10% 50V
C107	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C108	1-162-958-11	s CERAMIC 270PF 5% 50V
C109	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C110	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C111	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V [for EVW-300P(EK)]
C113	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C114	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C114	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V [for EVW-300P(EK)]
C115	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C116	1-162-926-11	s CERAMIC, CHIP 82PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C116	1-162-924-11	s CERAMIC 56PF 5% 50V [for EVW-300P(EK)]
C117	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C118	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C118	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)]
C119	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C120	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C121	1-162-912-11	s CERAMIC 7PF 0.5PF 50V
C122	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C123	1-164-361-11	s CERAMIC 0.047uF 16V
C124	1-164-361-11	s CERAMIC 0.047uF 16V [for EVW-300(J), EVW-300(UC)]
C125	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C127	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C128	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C129	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C130	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C131	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C132	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C133	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C134	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C136	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C137	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C138	1-162-912-11	s CERAMIC 7PF 0.5PF 50V [for EVW-300(J), EVW-300(UC)]
C138	1-162-908-11	s CERAMIC 3PF 0.25PF 50V [for EVW-300P(EK)]
C139	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C140	1-164-361-11	s CERAMIC 0.047uF 16V
C141	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C142	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C143	1-164-360-11	s CERAMIC 0.1uF 16V
C144	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C145	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C146	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C147	1-162-924-11	s CERAMIC 56PF 5% 50V
C148	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C148	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)]
C149	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C150	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C164	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C201	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C203	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C203	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for EVW-300P(EK)]
C204	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C204	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for EVW-300P(EK)]
C206	1-162-959-11	s CERAMIC 330PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C207	1-164-392-11	s CERAMIC 390PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C208	1-126-205-11	s ELECT 47uF 20% 6.3
C209	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C209	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for EVW-300P(EK)]
C210	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C211	1-162-959-11	s CERAMIC 330PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C211	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300P(EK)]
C212	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C213	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C213	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for EVW-300P(EK)]
C215	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C216	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C217	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C218	1-162-928-11 s	CERAMIC 120PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C219	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C252	1-162-967-11 s	CERAMIC 0.0033uF 10% 50V [for EVW-300(J), EVW-300(UC)]
C252	1-164-245-11 s	CERAMIC 0.015uF 10% 25V [for EVW-300P(EK)]
C253	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C254	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C255	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C256	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C257	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C258	1-164-005-11 s	CERAMIC, CHIP 0.47uF 25V
C259	1-164-222-11 s	CERAMIC 0.22uF 25V
C260	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C261	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C262	1-135-180-21 s	TANTALUM, CHIP 3.3uF 20% 6.3V
C263	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C264	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C265	1-135-180-21 s	TANTALUM, CHIP 3.3uF 20% 6.3V
C266	1-126-205-11 s	ELECT 47uF 20% 6.3
C267	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C268	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C269	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C270	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C270	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)]
C271	1-164-005-11 s	CERAMIC, CHIP 0.47uF 25V
C272	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C273	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C274	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C275	1-162-959-11 s	CERAMIC 330PF 5% 50V
C276	1-164-392-11 s	CERAMIC 390PF 5% 50V
C277	1-164-491-11 s	CERAMIC 300PF 1% 50V
C278	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C279	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C280	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C281	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C282	1-126-205-11 s	ELECT 47uF 20% 6.3
C283	1-164-361-11 s	CERAMIC 0.047uF 16V
C284	1-164-471-11 s	CERAMIC 680PF 5% 50V
C285	1-164-361-11 s	CERAMIC 0.047uF 16V
C301	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V
C302	1-162-916-11 s	CERAMIC, CHIP 12PF 5% 50V [for EVW-300P(EK)]
C303	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C305	1-126-206-11 s	ELECT 100uF 20% 6.3V
C306	1-162-958-11 s	CERAMIC 270PF 5% 50V
C307	1-162-924-11 s	CERAMIC 56PF 5% 50V
C308	1-164-217-11 s	CERAMIC 150PF 5% 50V
C309	1-162-924-11 s	CERAMIC 56PF 5% 50V
C310	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C311	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C312	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V [for EVW-300(J), EVW-300(UC)]

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C312	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C313	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C314	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C316	1-126-205-11 s	ELECT 47uF 20% 6.3
C317	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C318	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C319	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C320	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C321	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C322	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V
C323	1-164-217-11 s	CERAMIC 150PF 5% 50V
C325	1-135-202-21 s	TANTALUM, CHIP 22uF 20% 4V
C326	1-135-202-21 s	TANTALUM, CHIP 22uF 20% 4V
C327	1-135-202-21 s	TANTALUM, CHIP 22uF 20% 4V
C328	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C328	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for EVW-300P(EK)]
C329	1-135-202-21 s	TANTALUM, CHIP 22uF 20% 4V
C332	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C350	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C351	1-162-959-11 s	CERAMIC 330PF 5% 50V
C389	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C389	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C415	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C416	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C417	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C418	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C419	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C419	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for EVW-300P(EK)]
C420	1-164-238-11 s	CERAMIC 36PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C420	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V [for EVW-300P(EK)]
C421	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C422	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C423	1-164-227-11 s	CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C424	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C425	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C426	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C427	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C428	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C429	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C430	1-162-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V [for EVW-300(J), EVW-300(UC)]
C430	1-162-910-11 s	CERAMIC 5PF 0.25PF 50V [for EVW-300P(EK)]
C431	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C432	1-164-227-11 s	CERAMIC 0.022uF 10% 25V
C433	1-164-227-11 s	CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
C434	1-162-910-11 s	CERAMIC 5PF 0.25PF 50V [for EVW-300P(EK)]
C435	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C436	1-164-227-11 s	CERAMIC 0.022uF 10% 25V

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C439	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C439	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C440	1-162-924-11	s CERAMIC 56PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C440	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300P(EK)]
C441	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C441	1-164-218-11	s CERAMIC 180PF 5% 50V [for EVW-300P(EK)]
C442	1-162-959-11	s CERAMIC 330PF 5% 50V
C443	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C701	1-164-346-11	s CERAMIC 1uF 16V
C702	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C703	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C705	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C706	1-164-227-11	s CERAMIC 0.022uF 10% 25V [for EVW-300(J), EVW-300(UC)]
C707	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C708	1-164-360-11	s CERAMIC 0.1uF 16V
C709	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C710	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C711	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C713	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C714	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C714	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for EVW-300P(EK)]
C715	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C716	1-164-346-11	s CERAMIC 1uF 16V
C717	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C718	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C720	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C721	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C722	1-164-360-11	s CERAMIC 0.1uF 16V
C723	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C724	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C725	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C727	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C728	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C729	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C802	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C803	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C815	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C818	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C819	1-164-227-11	s CERAMIC 0.022uF 10% 25V
C821	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C822	1-164-245-11	s CERAMIC 0.015uF 10% 25V
CN1	1-568-801-11	s CONNECTOR, FPC (ZIF) 24P
CN2	1-568-801-11	s CONNECTOR, FPC (ZIF) 24P
CN3	1-569-035-11	o CONNECTOR, FPC (ZIF) 30P
D101	8-719-820-05	s DIODE 1SS181
D103	8-719-800-76	s DIODE 1SS226
D104	8-719-820-05	s DIODE 1SS181
D105	8-719-820-05	s DIODE 1SS181
D106	8-719-820-05	s DIODE 1SS181
D107	8-719-820-05	s DIODE 1SS181

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Ref. No. or Q'ty	Part No.	SP Description
D108	8-719-820-05	s DIODE 1SS181
D109	8-719-820-05	s DIODE 1SS181
D110	8-719-820-05	s DIODE 1SS181
D201	8-719-820-05	s DIODE 1SS181
D202	8-719-404-35	s DIODE MA141WK
D251	8-719-820-05	s DIODE 1SS181
D252	8-719-820-05	s DIODE 1SS181
D253	8-719-820-05	s DIODE 1SS181
D301	8-719-404-35	s DIODE MA141WK
D302	8-719-820-05	s DIODE 1SS181
D303	8-719-820-05	s DIODE 1SS181
D304	8-719-820-05	s DIODE 1SS181 [for EVW-300(J), EVW-300(UC)]
D401	8-719-820-05	s DIODE 1SS181
D402	8-719-820-05	s DIODE 1SS181
D803	8-719-820-05	s DIODE 1SS181
D804	8-719-820-05	s DIODE 1SS181
D805	8-719-820-05	s DIODE 1SS181
D807	8-719-404-35	s DIODE MA141WK
DL100	1-415-894-11	s DELAY LINE
DL101	1-415-893-11	s DELAY LINE
DL102	1-415-894-11	s DELAY LINE
DL103	1-415-893-11	s DELAY LINE
DL104	1-415-892-11	s DELAY LINE
FL1	1-415-729-21	s DELAY LINE, LC (Y)
FL201	1-236-775-11	s FILTER, LOW PASS (DEM)
FL301	1-236-774-11	s FILTER, LOW PASS (Y)
FL303	1-236-848-21	s FILTER, LOW PASS
FL701	1-236-757-21	s FILTER, LOW PASS (C) [for EVW-300(J), EVW-300(UC)]
FL701	1-236-848-21	s FILTER, LOW PASS [for EVW-300P(EK)]
FL702	1-236-773-21	s FILTER, LOW PASS (Y) [for EVW-300(J), EVW-300(UC)]
FL702	1-239-010-11	s FILTER, LOW-PASS [for EVW-300P(EK)]
IC1	8-759-256-44	s IC NJM2235M-TE2
IC2	8-759-011-65	s IC MC74HC4053F
IC101	8-759-925-60	s IC BA401
IC201	8-752-054-62	s IC CXA1207AR
IC301	8-759-320-76	s IC HA118070FP
IC302	8-759-320-76	s IC HA118070FP
IC701	8-752-332-68	s IC CXL5502M [for EVW-300(J), EVW-300(UC)]
IC701	8-752-333-24	s IC CXL1506M
IC702	8-752-332-68	s IC CXL5502M [for EVW-300(J), EVW-300(UC)]
IC702	8-752-333-24	s IC CXL1506M
IC803	8-759-009-22	s IC MC14094BF
IC804	8-759-234-13	s IC TC4S30F
L3	1-410-381-11	s INDUCTOR CHIP 10uH
L4	1-410-382-31	s INDUCTOR CHIP 12uH
L101	1-410-387-11	s INDUCTOR CHIP 33uH
L102	1-412-280-31	s INDUCTOR 330uH
L103	1-410-167-41	s INDUCTOR CHIP 820uH
L104	1-410-657-21	s INDUCTOR CHIP 180uH
L105	1-410-387-11	s INDUCTOR CHIP 33uH [for EVW-300P(EK)]
L107	1-410-379-31	s INDUCTOR CHIP 6.8uH

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L108	1-410-374-11 s	INDUCTOR CHIP 2.7uH
L109	1-410-379-31 s	INDUCTOR CHIP 6.8uH [for EVW-300(J), EVW-300(UC)]
L109	1-410-380-31 s	INDUCTOR CHIP 8.2uH [for EVW-300P(EK)]
L110	1-410-379-31 s	INDUCTOR CHIP 6.8uH
L111	1-410-384-31 s	INDUCTOR CHIP 18uH
L112	1-412-282-41 s	INDUCTOR 470uH
L113	1-412-282-41 s	INDUCTOR 470uH
L114	1-410-384-31 s	INDUCTOR CHIP 18uH
L115	1-410-381-11 s	INDUCTOR CHIP 10uH
L116	1-410-383-31 s	INDUCTOR CHIP 15uH [for EVW-300(J), EVW-300(UC)]
L116	1-410-386-11 s	INDUCTOR CHIP 27uH [for EVW-300P(EK)]
L117	1-410-381-11 s	INDUCTOR CHIP 10uH
L201	1-410-385-11 s	INDUCTOR, CHIP 22uH
L202	1-410-375-11 s	INDUCTOR CHIP 3.3uH [for EVW-300(J), EVW-300(UC)]
L202	1-410-378-11 s	INDUCTOR CHIP 5.6uH [for EVW-300P(EK)]
L203	1-410-378-11 s	INDUCTOR CHIP 5.6uH
L204	1-410-393-11 s	INDUCTOR CHIP 100uH [for EVW-300(J), EVW-300(UC)]
L204	1-410-391-11 s	INDUCTOR CHIP 68uH [for EVW-300P(EK)]
L205	1-410-375-11 s	INDUCTOR CHIP 3.3uH [for EVW-300(J), EVW-300(UC)]
L205	1-410-369-11 s	INDUCTOR CHIP 1uH [for EVW-300P(EK)]
L206	1-410-381-11 s	INDUCTOR CHIP 10uH
L207	1-410-386-11 s	INDUCTOR CHIP 27uH [for EVW-300(J), EVW-300(UC)]
L207	1-410-390-11 s	INDUCTOR CHIP 56uH [for EVW-300P(EK)]
L209	1-410-381-11 s	INDUCTOR CHIP 10uH
L251	1-410-381-11 s	INDUCTOR CHIP 10uH [for EVW-300P(EK)]
L252	1-410-379-31 s	INDUCTOR CHIP 6.8uH
L253	1-410-381-11 s	INDUCTOR CHIP 10uH
L301	1-410-385-11 s	INDUCTOR, CHIP 22uH
L302	1-410-391-11 s	INDUCTOR CHIP 68uH [for EVW-300P(EK)]
L303	1-410-381-11 s	INDUCTOR CHIP 10uH
L305	1-410-383-31 s	INDUCTOR CHIP 15uH
L306	1-410-380-31 s	INDUCTOR CHIP 8.2uH
L307	1-410-379-31 s	INDUCTOR CHIP 6.8uH
L308	1-410-389-31 s	INDUCTOR CHIP 47uH [for EVW-300(J), EVW-300(UC)]
L308	1-410-388-31 s	INDUCTOR, CHIP 39uH [for EVW-300P(EK)]
L309	1-410-386-11 s	INDUCTOR CHIP 27uH
L314	1-410-385-11 s	INDUCTOR, CHIP 22uH
L405	1-410-386-11 s	INDUCTOR CHIP 27uH
L406	1-410-380-31 s	INDUCTOR CHIP 8.2uH
L407	1-410-381-11 s	INDUCTOR CHIP 10uH
L408	1-410-392-11 s	INDUCTOR, CHIP 82uH [for EVW-300(J), EVW-300(UC)]
L408	1-410-388-31 s	INDUCTOR, CHIP 39uH [for EVW-300P(EK)]
L409	1-410-656-11 s	INDUCTOR CHIP 150uH
L411	1-410-381-11 s	INDUCTOR CHIP 10uH

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L701	1-410-381-11 s	INDUCTOR CHIP 10uH
L702	1-410-389-31 s	INDUCTOR CHIP 47uH
L703	1-410-381-11 s	INDUCTOR CHIP 10uH
L704	1-410-389-31 s	INDUCTOR CHIP 47uH
L801	1-410-381-11 s	INDUCTOR CHIP 10uH
L805	1-410-389-31 s	INDUCTOR CHIP 47uH
Q2	8-729-905-23 s	TRANSISTOR 2SA1576R
Q5	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q6	8-729-905-23 s	TRANSISTOR 2SA1576R
Q7	8-729-905-23 s	TRANSISTOR 2SA1576R
Q8	8-729-905-23 s	TRANSISTOR 2SA1576R
Q9	8-729-905-23 s	TRANSISTOR 2SA1576R
Q10	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q11	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q12	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q13	8-729-905-23 s	TRANSISTOR 2SA1576R
Q14	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q15	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q16	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q17	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q57	8-729-905-18 s	TRANSISTOR DTC144EU
Q101	8-729-117-32 s	TRANSISTOR 2SC4177
Q102	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q103	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q104	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q105	8-729-905-18 s	TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q106	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q107	8-729-905-18 s	TRANSISTOR DTC144EU
Q108	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q109	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q110	8-729-905-12 s	TRANSISTOR DTA144EU
Q111	8-729-904-07 s	TRANSISTOR FMG2
Q112	8-729-903-10 s	TRANSISTOR FMW1
Q113	8-729-209-07 s	TRANSISTOR 2SC4213-B
Q114	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q115	8-729-117-32 s	TRANSISTOR 2SC4177 [for EVW-300(J), EVW-300(UC)]
Q115	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q116	8-729-903-10 s	TRANSISTOR FMW1
Q117	8-729-905-18 s	TRANSISTOR DTC144EU
Q118	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q119	8-729-905-12 s	TRANSISTOR DTA144EU
Q120	8-729-905-18 s	TRANSISTOR DTC144EU
Q121	8-729-117-32 s	TRANSISTOR 2SC4177 [for EVW-300(J), EVW-300(UC)]
Q121	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q122	8-729-117-32 s	TRANSISTOR 2SC4177 [for EVW-300(J), EVW-300(UC)]
Q122	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)]
Q123	8-729-905-12 s	TRANSISTOR DTA144EU
Q124	8-729-905-18 s	TRANSISTOR DTC144EU
Q125	8-729-141-48 s	TRANSISTOR 2SB624-BV345
Q201	8-729-905-18 s	TRANSISTOR DTC144EU
Q202	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6

Please see page D-29 for the part numbers of resistors that are not the parts list.



## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q203	8-729-905-23	s TRANSISTOR 2SA1576R
Q204	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q205	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q206	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q207	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q208	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q209	8-729-905-12	s TRANSISTOR DTA144EU
Q210	8-729-905-12	s TRANSISTOR DTA144EU [for EVW-300P(EK)]
Q211	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q212	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q213	8-729-905-12	s TRANSISTOR DTA144EU
Q214	8-729-905-23	s TRANSISTOR 2SA1576R
Q215	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q216	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q217	8-729-905-12	s TRANSISTOR DTA144EU
Q218	8-729-905-12	s TRANSISTOR DTA144EU
Q219	8-729-903-10	s TRANSISTOR FMW1
Q220	8-729-905-18	s TRANSISTOR DTC144EU
Q221	8-729-905-23	s TRANSISTOR 2SA1576R
Q222	8-729-905-12	s TRANSISTOR DTA144EU
Q223	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q224	8-729-905-18	s TRANSISTOR DTC144EU
Q225	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q252	8-729-905-12	s TRANSISTOR DTA144EU [for EVW-300P(EK)]
Q253	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q254	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q255	8-729-905-18	s TRANSISTOR DTC144EU
Q256	8-729-905-18	s TRANSISTOR DTC144EU
Q257	8-729-905-18	s TRANSISTOR DTC144EU
Q258	8-729-905-12	s TRANSISTOR DTA144EU
Q259	8-729-209-07	s TRANSISTOR 2SC4213-B
Q260	8-729-209-07	s TRANSISTOR 2SC4213-B
Q261	8-729-905-12	s TRANSISTOR DTA144EU
Q262	8-729-905-12	s TRANSISTOR DTA144EU
Q263	8-729-905-18	s TRANSISTOR DTC144EU
Q264	8-729-905-12	s TRANSISTOR DTA144EU
Q301	8-729-905-12	s TRANSISTOR DTA144EU
Q302	8-729-905-23	s TRANSISTOR 2SA1576R
Q303	8-729-905-18	s TRANSISTOR DTC144EU
Q305	8-729-209-07	s TRANSISTOR 2SC4213-B
Q307	8-729-905-18	s TRANSISTOR DTC144EU [for EVW-300P(EK)]
Q309	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q310	8-729-905-23	s TRANSISTOR 2SA1576R
Q311	8-729-905-23	s TRANSISTOR 2SA1576R
Q312	8-729-904-07	s TRANSISTOR FMG2
Q313	8-729-905-45	s TRANSISTOR DTA143EU
Q314	8-729-905-23	s TRANSISTOR 2SA1576R
Q315	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q316	8-729-905-23	s TRANSISTOR 2SA1576R
Q317	8-729-905-12	s TRANSISTOR DTA144EU
Q318	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q319	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q320	8-729-904-20	s TRANSISTOR FMA2
Q323	8-729-905-23	s TRANSISTOR 2SA1576R
Q324	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q325	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q326	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q327	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q409	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q410	8-729-903-10	s TRANSISTOR FMW1
Q411	8-729-905-18	s TRANSISTOR DTC144EU
Q412	8-729-905-12	s TRANSISTOR DTA144EU [for EVW-300P(EK)]
Q413	8-729-905-12	s TRANSISTOR DTA144EU
Q414	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q415	8-729-117-32	s TRANSISTOR 2SC4177
Q416	8-729-117-32	s TRANSISTOR 2SC4177
Q417	8-729-905-23	s TRANSISTOR 2SA1576R [for EVW-300P(EK)]
Q418	8-729-905-12	s TRANSISTOR DTA144EU [for EVW-300P(EK)]
Q419	8-729-904-07	s TRANSISTOR FMG2
Q420	8-729-905-12	s TRANSISTOR DTA144EU
Q421	8-729-905-18	s TRANSISTOR DTC144EU
Q423	8-729-117-32	s TRANSISTOR 2SC4177
Q424	8-729-905-12	s TRANSISTOR DTA144EU
Q425	8-729-117-32	s TRANSISTOR 2SC4177
Q426	8-729-209-07	s TRANSISTOR 2SC4213-B
Q427	8-729-209-07	s TRANSISTOR 2SC4213-B
Q428	8-729-209-07	s TRANSISTOR 2SC4213-B
Q429	8-729-905-23	s TRANSISTOR 2SA1576R
Q430	8-729-905-18	s TRANSISTOR DTC144EU
Q431	8-729-905-18	s TRANSISTOR DTC144EU
Q701	8-729-905-23	s TRANSISTOR 2SA1576R
Q702	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q703	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q704	8-729-905-18	s TRANSISTOR DTC144EU
Q705	8-729-905-23	s TRANSISTOR 2SA1576R
Q706	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q709	8-729-905-18	s TRANSISTOR DTC144EU
Q803	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q805	8-729-905-18	s TRANSISTOR DTC144EU
Q806	8-729-905-18	s TRANSISTOR DTC144EU
Q807	8-729-905-18	s TRANSISTOR DTC144EU
Q808	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q813	8-729-905-18	s TRANSISTOR DTC144EU
Q814	8-729-905-12	s TRANSISTOR DTA144EU
Q815	8-729-905-18	s TRANSISTOR DTC144EU
Q816	8-729-904-20	s TRANSISTOR FMA2
Q817	8-729-904-07	s TRANSISTOR FMG2
Q818	8-729-905-18	s TRANSISTOR DTC144EU
Q819	8-729-905-18	s TRANSISTOR DTC144EU
Q820	8-729-905-18	s TRANSISTOR DTC144EU
Q821	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q822	8-729-905-12	s TRANSISTOR DTA144EU
R41	1-218-692-11	s METAL 1K 0.50% 1/16W
R42	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R43	1-218-692-11	s METAL 1K 0.50% 1/16W
R45	1-218-692-11	s METAL 1K 0.50% 1/16W
R46	1-218-692-11	s METAL 1K 0.50% 1/16W
R47	1-218-692-11	s METAL 1K 0.50% 1/16W
R55	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W
R209	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R209	1-218-837-11	s METAL CHIP 390 0.50% 1/16W [for EVW-300P(EK)]
R210	1-218-829-11	s METAL CHIP 180 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R210	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W [for EVW-300P(EK)]
R220	1-218-706-11	s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R251	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R254	1-218-740-11	s METAL 100K 0.50% 1/16W [for EVW-300P(EK)]
R257	1-218-714-11	s METAL 8.2K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R257	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W [for EVW-300P(EK)]
R264	1-218-881-11	s METAL CHIP 27K 0.50% 1/16W
R265	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R266	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R267	1-218-899-11	s CHIP, METAL 150K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R267	1-218-738-11	s METAL 82K 0.50% 1/16W [for EVW-300P(EK)]
R268	1-218-752-11	s METAL 330K 0.50% 1/16W
R269	1-218-706-11	s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R269	1-218-708-11	s METAL 4.7K 0.50% 1/16W [for EVW-300P(EK)]
R270	1-218-688-11	s METAL 680 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R270	1-218-680-11	s METAL 330 0.50% 1/16W [for EVW-300P(EK)]
R271	1-218-708-11	s METAL 4.7K 0.50% 1/16W
R272	1-218-901-11	s CHIP, METAL 180K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R273	1-218-740-11	s METAL 100K 0.50% 1/16W [for EVW-300P(EK)]
R274	1-218-706-11	s METAL 3.9K 0.50% 1/16W
R275	1-218-833-11	s METAL CHIP 270 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R275	1-218-688-11	s METAL 680 0.50% 1/16W [for EVW-300P(EK)]
R277	1-208-774-11	s CHIP, METAL 470 0.50% 1/10W
R284	1-218-694-11	s METAL, CHIP 1.2K 0.50% 1/16W
R285	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R286	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R287	1-218-732-11	s METAL 47K 0.50% 1/16W
R288	1-218-704-11	s METAL 3.3K 0.50% 1/16W
R289	1-218-722-11	s METAL, CHIP 18K 0.50% 1/16W
R328	1-218-842-11	s METAL CHIP 620 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R328	1-218-668-11	s METAL 100 0.50% 1/16W [for EVW-300P(EK)]
R353	1-218-692-11	s METAL 1K 0.50% 1/16W
R354	1-218-700-11	s METAL 2.2K 0.50% 1/16W
R355	1-218-692-11	s METAL 1K 0.50% 1/16W
R357	1-218-692-11	s METAL 1K 0.50% 1/16W
R358	1-218-710-11	s METAL 5.6K 0.50% 1/16W
R359	1-218-692-11	s METAL 1K 0.50% 1/16W
R380	1-218-883-11	s METAL 33K 0.50% 1/16W
R381	1-218-889-11	s CHIP, METAL 56K 0.50% 1/16W
R446	1-218-702-11	s METAL, CHIP 2.7K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]

## (VO-43/43P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R736	1-218-833-11	s METAL CHIP 270 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R857	1-218-736-11	s METAL 68K 0.50% 1/16W
RV1	1-238-090-11	s RES, ADJ, 10K
RV2	1-238-090-11	s RES, ADJ, 10K
RV201	1-238-088-11	s RES, ADJ, 2.2K
RV202	1-238-089-11	s RES, ADJ, 4.7K
RV251	1-238-091-11	s RES, ADJ METAL 22K
RV252	1-238-092-11	s RES, ADJ METAL 47K
RV253	1-238-092-11	s RES, ADJ METAL 47K
RV254	1-238-091-11	s RES, ADJ METAL 22K
RV255	1-238-089-11	s RES, ADJ, 4.7K
RV256	1-238-091-11	s RES, ADJ METAL 22K
RV258	1-238-089-11	s RES, ADJ, 4.7K
RV259	1-238-089-11	s RES, ADJ, 4.7K
RV301	1-238-087-11	s RES, ADJ, 1K
RV302	1-238-087-11	s RES, ADJ, 1K
RV401	1-238-089-11	s RES, ADJ, 4.7K
RV402	1-238-088-11	s RES, ADJ, 2.2K
RV403	1-238-087-11	s RES, ADJ, 1K
RV701	1-238-087-11	s RES, ADJ, 1K
S801	1-571-275-31	s SWITCH, SLIDE
TH701	1-809-308-21	s THERMIST (CHIP) [for EVW-300(J), EVW-300(UC)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

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Ref. No. or Q'ty	Part No.	SP Description
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101	8-729-906-48	s	PHOTO TRANSISTOR EE-TP109
102	8-719-820-44	s	PHOTO COUPLER TLP907-0(SONY2)
103	8-729-906-48	s	PHOTO TRANSISTOR EE-TP109
104	8-719-820-44	s	PHOTO COUPLER TLP907-0(SONY2)

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SP001 1-544-312-11 s SPEAKER (DIA. 20) "EAR SPEAKER"

EVW-300(J,UC)  
EVW-300P(EK)



## SECTION E CHANGED PARTS

NOTE: 1. Regarding the changed information for resistors and capacitors, please see the schematic diagrams.  
2. The numbers identified by marking with ) are matching with each serial numbers.  
See the table matched with each serial numbers.

205) Serial No. 10731 and higher [for EVW-300(UC)]  
30481 and higher [for EVW-300(J)]  
40701 and higher [for EVW-300P(EK)]

206) Serial No. 10851 and higher [for EVW-300(UC)]  
30631 and higher [for EVW-300(J)]  
40801 and higher [for EVW-300P(EK)]

207) Serial No. 10951 and higher [for EVW-300(UC)]  
30741 and higher [for EVW-300(J)]  
40901 and higher [for EVW-300P(EK)]

208) Serial No. 11151 and higher [for EVW-300(UC)]  
30956 and higher [for EVW-300(J)]  
41051 and higher [for EVW-300P(EK)]

304) Serial No. 11961 and higher [for EVW-300(UC)]  
31326 and higher [for EVW-300(J)]  
42231 and higher [for EVW-300P(EK)]

### ----- AT-70 BOARD -----

206) L6 1-410-517-11 s INDUCTOR 47uH  
206) X1 1-567-865-11 s CRYSTAL, 12.00MHz

----> 1-410-389-31 s INDUCTOR CHIP 47uH  
----> 1-579-728-11 s CRYSTAL 12.0MHz

### ----- AU-162/162P BOARD -----

304) X102 1-567-121-00 s CRYSTAL 4.194304MHz

----> 1-567-519-11 s CRYSTAL 4.194304MHz

### ----- ES-4/4P BOARD -----

207) FL1 1-235-161-00 s FILTER, BANDPASS 3.58MHz  
207) FL1 1-235-181-00 s FILTER, BANDPASS 4.43MHz  
207) IC3 8-759-209-15 s IC TC4SU69F  
207) L20 1-410-517-11 s INDUCTOR 47uH  
207) Q1 8-729-907-26 s TRANSISTOR 1MX1  
207) Q100 NOT IN USE.

207) Q101 NOT IN USE.  
207) Q35 NOT IN USE.  
207) Q36 NOT IN USE.  
207) Q4 8-729-905-23 s TRANSISTOR 2SA1576R  
207) Q5 8-729-907-26 s TRANSISTOR 1MX1

207) S1 1-553-977-00 s SWITCH, SLIDE

----> 1-239-379-21 s FILTER, BANDPASS [for EVW-300(J,UC)]  
----> 1-239-380-11 s FILTER, BANDPASS [for EVW-300P(EK)]  
----> 8-759-209-69 s IC TC4S11F  
----> 1-410-389-31 s INDUCTOR CHIP 47uH  
----> 8-729-117-72 s TRANSISTOR 2SC4178  
----> 8-729-120-28 s TRANSISTOR 2SC1623-L5L6

----> 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
----> 8-729-117-72 s TRANSISTOR 2SC4178  
----> 8-729-117-72 s TRANSISTOR 2SC4178  
----> 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
----> 8-729-117-72 s TRANSISTOR 2SC4178

----> 1-572-272-11 s SWITCH, SLIDE [for EVW-300(J,UC)]

### ----- IE-33/33P BOARD -----

206) IC13 8-759-031-84 s IC SC7S04F  
206) IC23 8-759-035-90 s IC SC7S02F  
206) RV18 NOT IN USE.  
206) S1 1-553-977-00 s SWITCH, SLIDE

----> DELETED.  
----> 8-759-925-72 s IC SN74HC02ANS  
----> 1-238-088-11 s RES, ADJ, 2.2K  
----> 1-572-272-11 s SWITCH, SLIDE

### ----- MB-384/384P BOARD -----

205) FB1 NOT IN USE.  
205) FB10 NOT IN USE.  
205) FB2 NOT IN USE.

----> 1-543-775-11 s FILTER, EMI  
----> 1-543-775-11 s FILTER, EMI  
----> 1-543-775-11 s FILTER, EMI

(MB-384/384P BOARD)

205) FB3	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB4	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB5	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB6	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB7	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB8	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) FB9	NOT IN USE.	----	1-543-775-11 s	FILTER, EMI
205) L10	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L11	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L12	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L13	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L5	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L6	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH
205) L7	NOT IN USE.	----	1-410-369-11 s	INDUCTOR CHIP 1UH

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PR-159/159P BOARD  
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208) D10	8-719-911-19 s	DIODE 1SS119	----	8-719-800-76 s	DIODE 1SS226
208) D11	8-719-911-19 s	DIODE 1SS119	----	DELETED.	
208) D6	8-719-911-19 s	DIODE 1SS119	----	8-719-800-76 s	DIODE 1SS226
208) D7	8-719-911-19 s	DIODE 1SS119	----	DELETED.	
208) D8	8-719-911-19 s	DIODE 1SS119	----	8-719-800-76 s	DIODE 1SS226
208) D9	8-719-911-19 s	DIODE 1SS119	----	DELETED.	
208) L2	1-410-513-11 s	INDUCTOR 22uH	----	1-410-385-11 s	INDUCTOR, CHIP 22uH
208) L3	1-410-513-11 s	INDUCTOR 22uH	----	1-410-385-11 s	INDUCTOR, CHIP 22uH

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VO-43 BOARD  
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208) FL701	1-236-757-11 s	FILTER, LOW PASS (C)	----	1-236-757-21 s	FILTER, LOW PASS (C)
208) TH701	NOT IN USE.		----	1-809-308-21 s	THERMISTER (CHIP)

[for EVW-300(J,UC)]  
[for EVW-300(J,UC)]



**VCL-713BX**

## EXPLODED VIEW

No.	Part No.	SP Description
1	3-707-546-01	o CAP, DUST
2	3-708-381-01	o HOOD
3	3-708-382-01	o CAP, HOOD
4	3-708-383-01	o LEVER, ZOOM

